

Columbia
Auto Part
Castell
Crosby
Royal Chevrolet

HASTINGS →

3 SERVICE TOOLS

HASTINGS MANUFACTURING COMPANY, HASTINGS, MICHIGAN

Hastings Ltd. Toronto • Export Dept., 4900 Euclid Ave., Cleveland, Ohio, U.S.A.

to automotive servicemen everywhere

● Hastings always has been aware that skilled overhaul techniques are as important as good parts in turning out satisfactory engine repair jobs. To this end, Hastings has spent considerable time and energy in the development of new tools that would help automotive repairmen do a better job.

An illustration of this Hastings policy is the Ridge Reamer. Years ago Hastings engineers recognized the importance of removing the cylinder ridge when rings were replaced. They went to work and designed a tool with a low cost replaceable blade. In making this tool available, they helped establish ridge reaming as a standard overhaul practice. Today there are fewer comebacks

and many more satisfactory ring jobs because of this one tool. In the following pages you will find illustrations and descriptions of our complete line of tools. Most of them are hand tools for the mechanic. Some are automotive machine shop tools. All are designed and produced with one purpose in mind—to help the mechanic do a better job. These tools have been thoroughly tested in service. Their accuracy and quality are guaranteed.

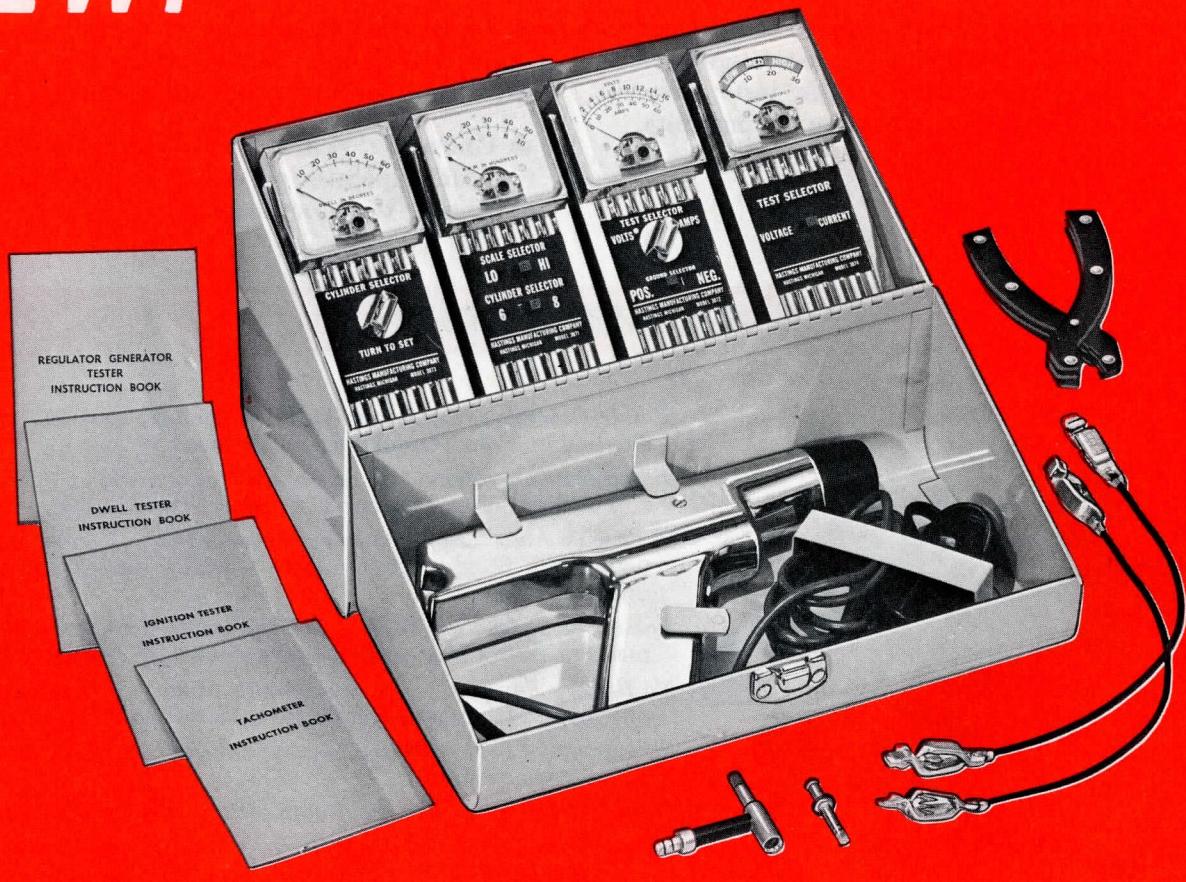
There are several new tools available for the first time in this catalog. In it you will find many items that will solve problems for you—help you increase your efficiency and your profit. All of these tools are available from your Hastings Jobber.

Hastings Manufacturing Company

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NEW! PORT-A-TUNE KIT



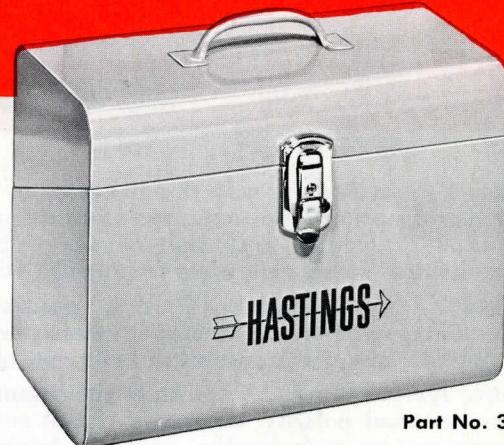
A complete set of portable tune-up tools designed for mechanics

Increase tune-up profits with this complete set of precision equipment that enables you to make tune-ups faster, easier and more accurately.

Complete, individual, one hand operated tools perform every major step in tune-ups on either 6 or 12 volt systems.

Simple—Each tool engineered to do a specific job. Anyone can be an "expert" in minutes. One easy reading dial to check. No complicated maze of dials, switches, scales and connections as required with big, bulky, expensive analyzers. No training course required—the know-how is built into the tools.

Compact—All units in matching shatter-proof chrome cases, nested neatly, ready for use, in lightweight all metal carrying case. No bigger or heavier than an ordinary tool box.



Part No. 3075

Economical—Low cost plus versatility make this equipment a "must" for every tune-up mechanic.

Kit includes:

- Part No. 3071 Tachometer
- 3072 Regulator Tester
- 3073 Dwell Meter
- 3074 Ignition Tester
- 1381 Timing Light
- 3199 All metal carrying case

plus adaptors, jumper leads, insulated pliers, and complete instructions.

Hastings Tune-up Tools do the job

● **One Hand Operation** . . . small compact light-weight units, yet advanced technical design permits accurate performance of all major tests formerly done only on big, bulky, expensive testing units.

● **Easy Dial Readings** . . . each dial carefully engineered for maximum visibility. Simplified scales with clear markings eliminate reading errors.

● **Universal 6 and 12 volt operation** . . . automatically operates on either voltage—no switches or controls to set or change.

TACHOMETER



Part No. 3071

Simple Controls . . . just two switches for high and low range—6 or 8 cylinder. Your thumb does all the work.

Simplified Connections . . . no polarity to observe . . . connect either clip to distributor or ground . . . no chance of error.

Built with Automatic Transmissions in Mind . . . extra long leads let you watch it wherever you are working, under the hood, in or under the car.

Doesn't Steal Engine Power . . . exceptionally low load characteristics mean no motor misses. And that's important for accurate readings.

No Battery Failures . . . ready to work when you want it . . . no "on-off" switch to forget, so internal batteries can't run down.

Permanently "Set" at Factory . . . no external set adjustment to forget . . . always accurate.

Burn-Out Proof . . . improper connection will not damage.

Easy "Once-A-Year" Battery Replacement . . . two ordinary penlight batteries serve about one year. Available anywhere . . . easily installed.

IGNITION TESTER

High Tension Voltage Test . . . with thumb switch in "Voltage" position, rev motor up until dial indicator stops rising, and read coil voltage output . . . you instantly spot "shorts" or breakdown. Disconnect individual spark plug wires to pinpoint wire trouble.

Millamp Test . . . with switch in "Current" position, rev motor to maximum dial reading . . . lets you spot excessive secondary resistance in system...also check current of individual spark plug wires.

Checks Entire Ignition System . . . with engine running, checks coil, condenser, reversed polarity, secondary circuit connections, radio suppressors, resistance in ignition primary circuit or spark plug wire leakage.

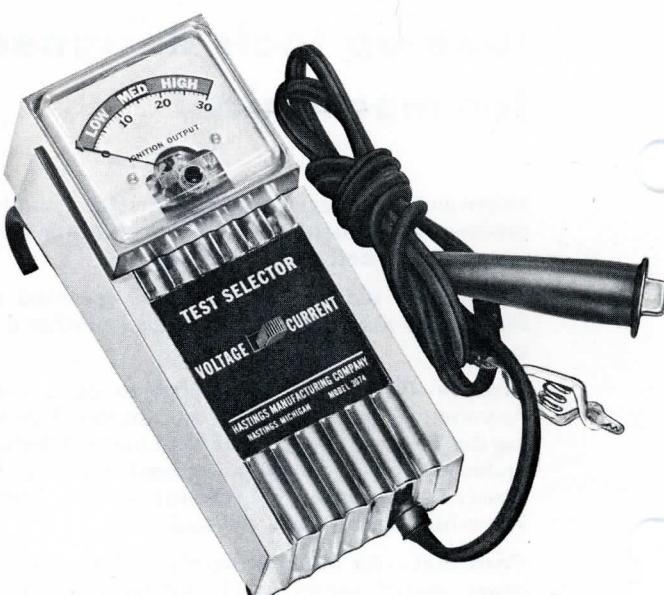
Simplified Testing Procedure . . . tests need not be made at any specified critical engine speeds . . . there are no specifications to observe.

Furnished Complete . . . everything needed for ignition output tests. Jumper wire grounds out generator during testing . . . "T" adapter for easy connection to distributor . . . straight adapter inserts in spark plug wire boots for quick connection . . . high voltage pliers for disconnecting spark plug wires.

Only Two Connections . . . one wire to ground, one to ignition system . . . no chance of incorrect hook-up . . . same connections for all makes and models of cars or trucks . . . takes only seconds.

Permanently Set At Factory . . . no "set" adjustments . . . is always ready for use, instantly, without dials or switches to check and set.

Can't Burn Out . . . internal protection eliminates chance of burn-out due to improper connection.



Part No. 3074

faster... easier... more accurately

● **Shatterproof Chrome Cases** . . . won't crack, chip, dent, or shatter. Impervious to oil, grease, gas, etc. Mechanisms shock-mounted for maximum protection.

● **Top Quality Cords and Clips** . . . reinforced cords are grease resistant. Positive sure grip clips

have color-keyed protective socks where needed. Rubber covered folding hooks permit hanging in any handy spot; wall, bench, car body or engine parts.

● **Available singly at individual prices or at substantial savings in complete Port-a-Tune Kit.**

DWELL METER

Single Control . . . press and turn cylinder selector with thumb to set for 6 or 8 cylinder . . . release to read degrees of cam angle.

Measures Point Resistance . . . green test zones on scale allow easy, sure, instant reading. Fast . . . checks on resistance in distributor primary circuit and point contact . . . ends guesswork.

Absolute "Must" for Newest Distributors . . . feeler gauges can't do the job on external adjustment type distributors . . . no other point dwell tester does it so easily, quickly, efficiently and accurately.

Allows Engine Full Power . . . remarkably low load characteristics . . . no stealing of engine power . . . permits motor to operate normally during test . . . insures accurate reading.

Automatic Battery Shut-Off . . . no failures or unnecessary burn-out . . . no "on-off" switch to forget and run down batteries.

No Mechanism Burn-Out . . . protected meter can't be ruined by incorrect hook-up.

Easy Battery Replacement . . . uses ordinary penlight batteries . . . installed in seconds . . . available anywhere.



Part No. 3073

REGULATOR TESTER



Part No. 3072

Simple Connections . . . three leads, color keyed for instant identification . . . identical hook-up for all tests, all cars. Handy thumb switch selects correct ground polarity.

Generator Output Test . . . flip thumb control to upper position for quick, accurate reading on large ammeter scale. Jumper lead permits generator to operate free of regulator.

Voltage Regulator Setting . . . with thumb-control in middle position, resistance is automatically put between battery and regulator . . . simulates full battery charge . . . no need to install test battery . . . single voltage scale eliminates chance of meter damage . . . green zones mark "in tolerance" areas for both 6 and 12 volt systems.

Current Regulator Setting . . . holding thumb control in lower position automatically puts load on battery, equivalent to turning on lights, etc. . . . holds voltage down for accurate check of current setting . . . no need to remove regulator cover . . . spring load releases control automatically to prevent excessive battery discharge.

Simple to Use . . . just three leads . . . just one set-up for all cars, all tests. Two thumb switches . . . one selects polarity, one selects desired test. No connections to change . . . no removing regulator cover . . . no test battery needed . . . lights, accessories, etc. need not be turned on.

Performs Auxiliary Tests . . . also serves as a regular voltmeter . . . checks cranking voltage, generator cutout, etc.

Complete Operating Guide . . . fully illustrated book explains complete operation with nine step-by-step pictures . . . clear, concise, detailed . . . furnished with every unit.

Super Beam Power Timing Light



Part No. 1381

Here is a timing light of highest quality. Built for rugged trouble-free service, it offers many new features.

Automatic Six and Twelve Volt Operation—Ready for instant use on either 6 or 12 volt systems without special hook-ups or adapters.

Brighter, sharper beam—New electronic circuit and focused beam provide brilliant piercing beam of light of extremely short duration. Permits fast accurate testing even in direct sunlight.

Sensitivity Adjustment—Easy adjustment to increase sensitivity for weak spark plugs, or to reduce sensitivity if necessary to eliminate double flashing.

Trigger Switch—Push button trigger switch flashes light only when needed; thus lengthens life of flash tube.

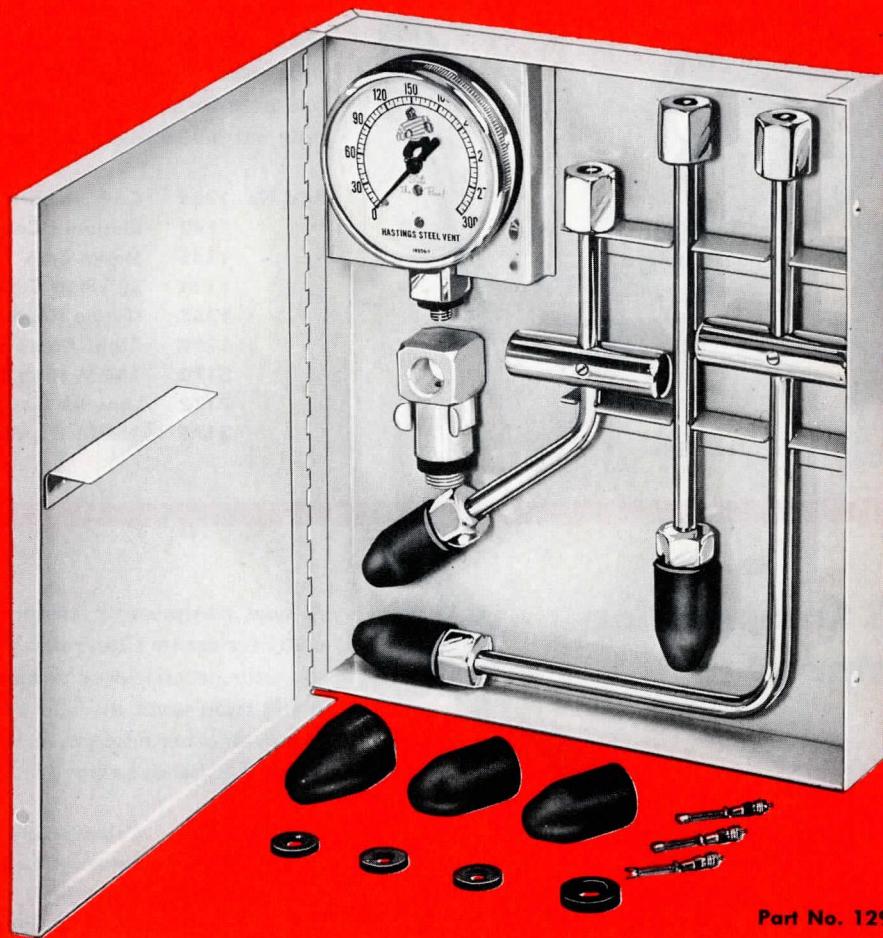
Slim, Trim, Rugged and Reliable—Chromium plated smooth surface resists dirt and corrosion and cleans easily. Case is flat and well balanced. Maximum width— $1\frac{3}{4}$ ". All internal parts are shock mounted in rubber. Internal ground eliminates even the remote possibility of electric shock. Non-Polarized—connect either line to either battery post.

Replaceable Vibrator & Flash Tube—Vibrator and flash tube are both designed for long, rugged service; but when replacement does become necessary, it is as easy as replacing a radio tube.

Replacement Parts:

- | | |
|---------------|------------------------|
| Part No. 1388 | Replacement Flash Tube |
| 1404 | Replacement Vibrator |

Universal Compression Tester Kit



Part No. 1298

The Hastings Universal Compression Tester provides, in one package, a means of measuring compression in practically all cars, trucks and tractors, old and new.

It is the most complete compression testing kit ever built. Kit includes:

Gauge head reads to 300 lbs. Permits accurate testing of late model high compression engines.

Long straight stem for testing engines with extremely deep spark plug wells, such as Chrysler, Dodge and DeSoto V-8 engines; also wherever a long reach is necessary, or for general testing where spark plug holes are accessible.

Ninety degree offset stem for testing Ford, Mercury, and Lincoln overhead valve V-8 engines.

Forty-five degree offset stem for testing Cadillac, Chevrolet, Nash, Studebaker, and Packard overhead valve V-8 engines; also where spark plug holes are boxed in by auxiliary equipment, such as power brake, power steering mechanisms, generators, etc.

Right angle adapter for Ford-Ferguson tractors and other isolated cases where spark plug holes are inaccessible to any stem.

High compression cone adapters for 14MM and 18MM plug holes permit accurate testing of extremely high compression engines that are hard to hold with a standard cone.

Kit includes two standard cones, one cone for $\frac{7}{8}$ " plug opening, one High Compression cone, two valves, three stem gaskets, one RA gasket.

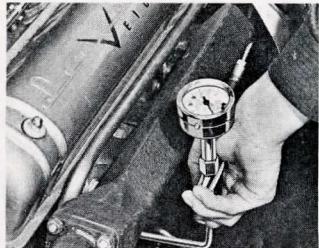
Part No. 1298 Universal Compression Tester Kit

1141	Right Angle Adapter
1142	Standard Cone
1144	Lens for Gauge Head
1145	Valve Core
1194	$\frac{7}{8}$ " Plug Cone
1257	Straight Stem
1259	45° Angle Stem
1299	Right Angle Stem
1301	Stem Gaskets
1302	Gauge Head
3170	14MM High Compression Cone
3175	18MM High Compression Cone

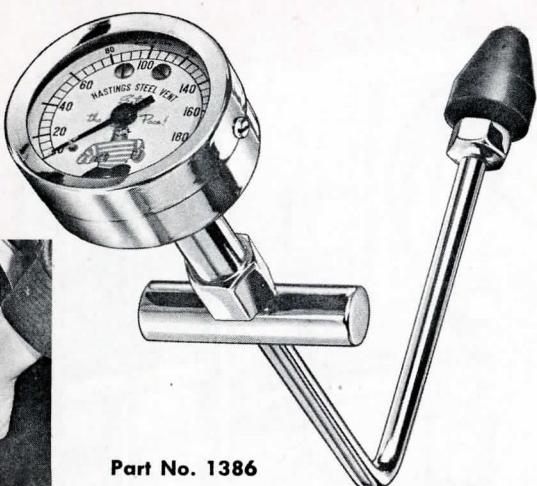
Hastings Compression Testers

F-L Model Compression Tester

Special design for
Ford, Mercury and
Lincoln overhead
valve engines.



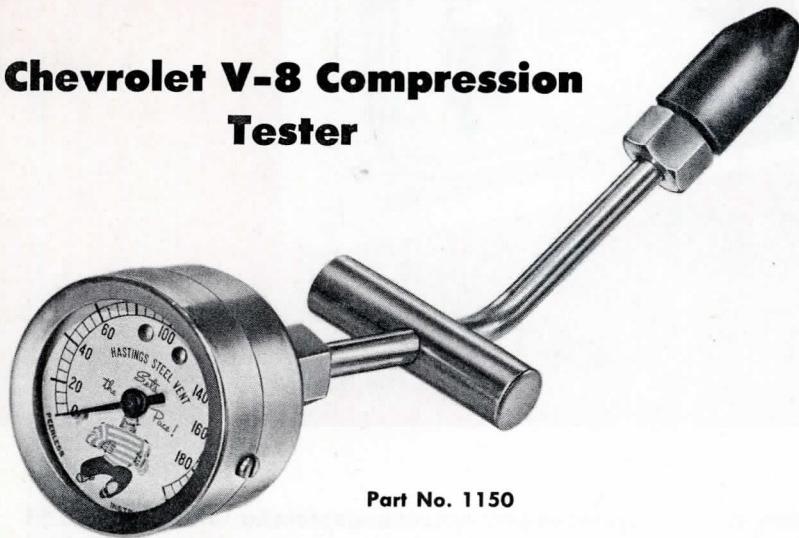
Part No. 1386



Position of spark plug holes below manifold makes it extremely difficult to check compression with conventional testers. Right angle stem provides easy accessibility to spark plug ports. Pressure bar below gauge allows operator to hold tester snugly in spark plug hole without danger of burns from manifold.

Part No. 1386	Compression Tester
1142	Standard Cone
1145	Valve Core
1194	7/8" Plug Cone
1255	Gauge Head
1299	Right Angle Stem
3170	14MM High Compression Cone
3172	Lens for Gauge Head
3175	18MM High Compression Cone

Chevrolet V-8 Compression Tester



Part No. 1150

A new compression tester developed especially for use on Chevrolet V-8 engines. Angle of tester permits easy access to all cylinders. A big time saver on Chevrolet engines. Also works on other engines, such as Packard V-8, Nash V-8, Studebaker V-8.

Part No. 1150	Compression Tester
1142	Standard Cone
1145	Valve Core
1194	7/8" Plug Cone
1255	Gauge Head
3170	14MM High Compression Cone
3172	Lens for Gauge Head
3175	18MM High Compression Cone

Pocket Size Compression Tester



Part No. 1140

A high quality, accurate tester which provides positive means of demonstrating to the car owner the condition of his engine. Angle construction of tip permits easy reading on back cylinders. Right angle adapter available.

Part No. 1140	Compression Tester
1141	Right Angle Adapter
1142	Standard Cone
1144	Lens for Gauge Head
1145	Valve Core
1194	7/8" Plug Cone
1302	Head for Tester No. 1140
3170	14MM High Compression Cone
3175	18MM High Compression Cone

Hastings Compression Testers

Diesel Compression Tester

Developed especially for testing high compression diesel engines. Furnished with heavy gauge steel storage case. Registers up to 1,000 lbs. and is equipped with one of four available adapters. *Be sure to specify adapter desired when ordering.*

Adapter No. 3187 covers the following applications:

Allis-Chalmers (Buda)	HD-6, HD-16A, HD-16AC, HD-11B, HD-116, HD-21
J. I. Case	400 & 500
Massey-Harris- Ferguson	33D, 44D, 55D, 333, 444, 555
Minneapolis-Moline G, U	
Oliver	Super 55, 66, Super 66, 77, Super 77, 88, Super 88, 99, Super 99, OC-6
Buda	All smaller engines
Cockshutt	All engines
Continental	GD-157, HD-260, JD-382, TD-427
Gray Marine	D-157, D-260, D-572
P&H Harnischfeger	C-18 Series
Hercules	DIX, DJX, DWX, DRX

Adapter No. 3187 will test any engine using American Bosch Injector AKB-XS or R series of Injector where X indicates length in MM from 35 to 100; and which Injector has a 21MM shank.

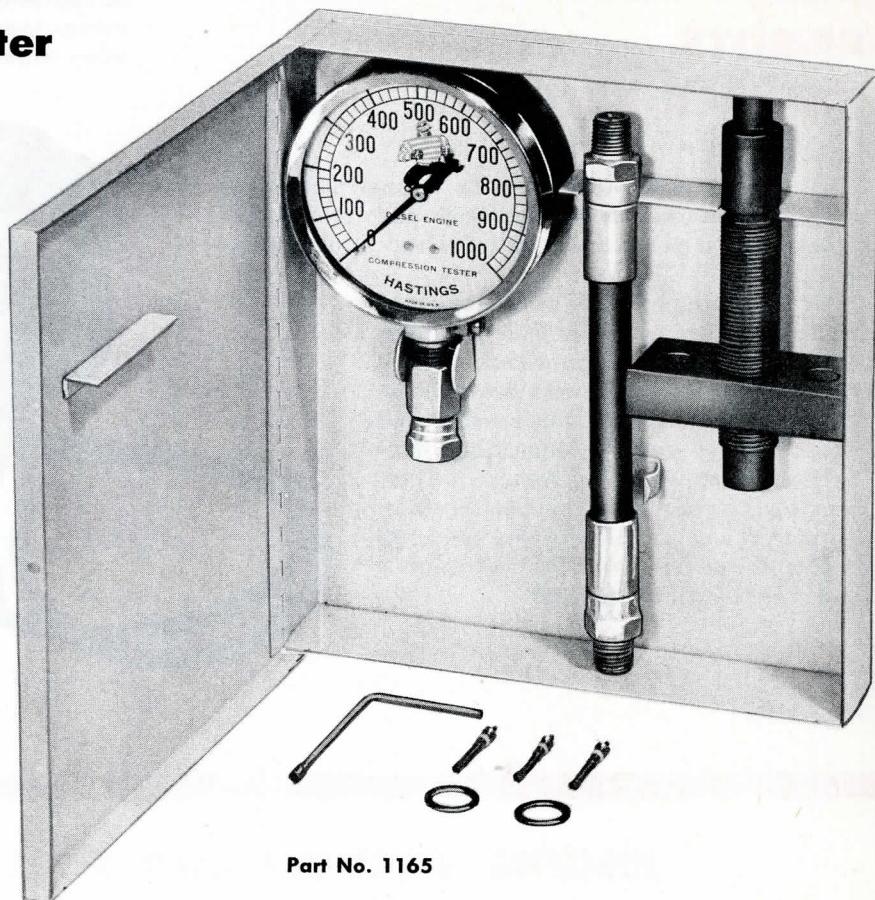
Adapter No. 3188 covers all G.M. 71 series engines.

Special design for checking compression on out-board, air cooled, and other small bore engines.

Threads into any 14 MM spark plug hole, leaving both hands free to pull rope. Side release valve provided. In case a retest is necessary, it may be done without unscrewing tester.

Adapter available for use in 18 MM spark plug holes.

- Part No. 3173 Gauge head**
3172 Lens for Gauge Head
3175 18MM Adapter
1145 Valve Core



Part No. 1165

Adapter No. 3189 for all International Harvester engines used in power units, farm tractors and construction equipment, except TD-6, and UD-6.

Adapter No. 3190 International Engines used on TD-6 and UD-6.

Replacement Check Valve—Part No. 3186.

Small Engine Compression Tester



Part No. 1168

HEAVY DUTY REMOTE STARTER SWITCH

One man can easily turn over the engine right at the work without help or shifting back and forth to the starter button on the dash, with this heavy duty starter switch.

Extremely heavy duty construction to withstand high voltages. Will not burn out—even if directly connected across a battery. Special design with heavy phosphor bronze contacts which make and break through carbon connection eliminates arcing and burning. Assures full current carrying ability of switch. Operates on both 6 and 12 volt systems. Operates even the heaviest solenoids, yet is small and easy to hold in the hand.

Quickly hooked-up—simply clamp one lead to the starter solenoid and the other to a hot wire terminal. So convenient when making compression tests, checking valves, locating automatic transmission drain plugs, and other work requiring cranking the engine.



Part No. 1175

ENGINE VACUUM AND FUEL PUMP TESTER

Here's the handiest trouble shooting instrument a mechanic can have. Hastings' Vacuum and Fuel Pump Tester quickly and accurately diagnoses a host of engine troubles including sticky valves, ignition timing, valve timing, carburetor adjustment, manifold leaks, faulty fuel pump, clogged exhaust system, defective gaskets. The time you save in trouble shooting repays its cost on the first few jobs.

Flexible rubber connector permits quick attachment to vacuum system and assures positive seal for accurate readings. Sturdy polished chrome gauge will take normal shop abuse and maintain accuracy. Large clearly marked dial is easy to read and universal clamp adjusts dial to any reading angle.

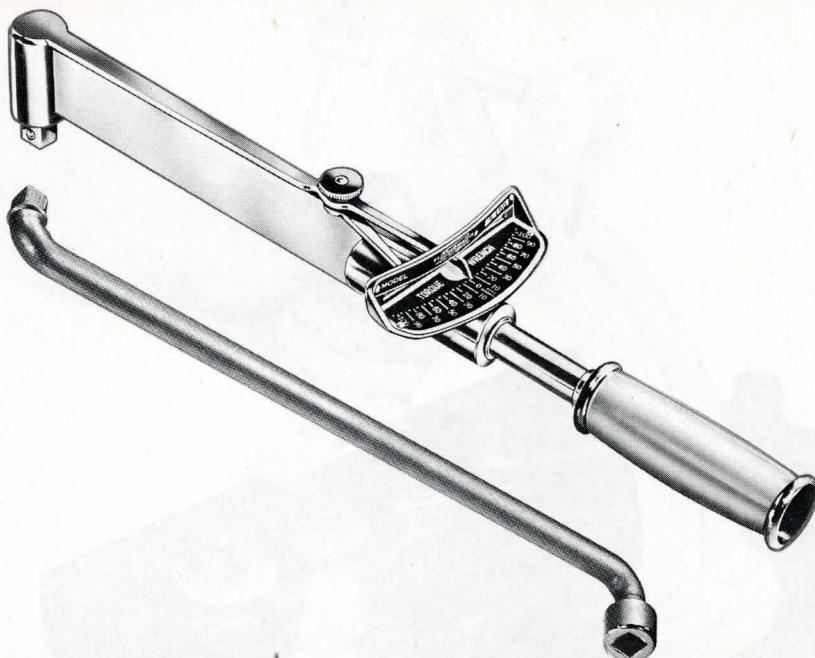
Three adapter fittings supplied to permit use on all vacuum systems. Complete instructions included.



Part No. 1180

Part No. 1183 Replacement Lens
1185 Replacement Hose

Hastings Torque Wrenches



SENSORY TORQUE WRENCH & EXTENSION

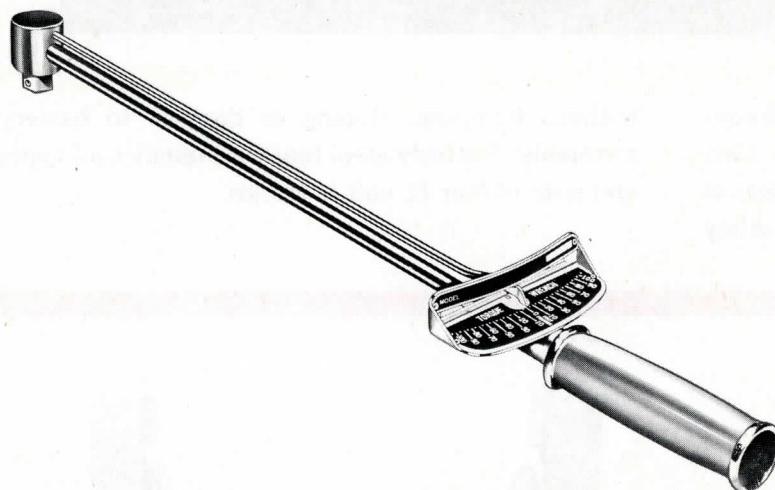
Heavy duty, lightweight precision tool with lifetime accuracy. Sensory signaling mechanism signals three ways: (1) sounds a distinct click, (2) imparts a strong definite impulse the instant pre-set torque is reached, (3) indicates torque on legible dial.

Alloy steel extension included doubles wrench capacity. Wrench alone measures 0 to 100 ft. lbs. Extension increases capacity to 200 ft. lbs.

$\frac{1}{2}$ " square drive with friction ball lock on both wrench and extension.

Part No. 1119 Sensory torque wrench and extension

1031 Extension only



ROUND BEAM TORQUE WRENCH

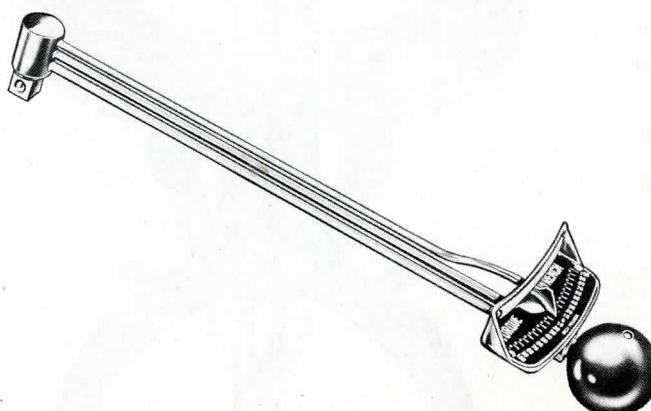
Round Beam is a ruggedly constructed compact tool designed for service work in close quarters. Lifetime accuracy guaranteed. No complicated cams, multiplying devices or frail mechanism to afford the possibility of error. Formed floating handle fixes the point of load regardless of hand position.

Available in two sizes:

**Part No. 1095 0 to 100 ft. lbs. capacity,
 $\frac{1}{2}$ " square drive**

**1117 0 to 150 ft. lbs. capacity,
 $\frac{1}{2}$ " square drive**

1031 Extension



INCH POUND TORQUE WRENCH

Designed especially for service work on automatic transmissions and small bore engines.

Floating ball handle and specially finished alloy steel measuring bar assure lifetime accuracy of this precision tool.

**Part No. 1008 0 to 200 inch pound capacity,
 $\frac{3}{8}$ " square drive**

BATTERY CARRIER



Part No. 3191

A handy new tool that simplifies the task of removing and carrying automobile storage batteries. Carrier clamps solidly to outside of battery and serves as handle for lifting. Lifts battery easily and safely

without bumping, tipping or damage to battery terminals. A sturdy steel tool that handles all types and sizes of 6 or 12 volt batteries.

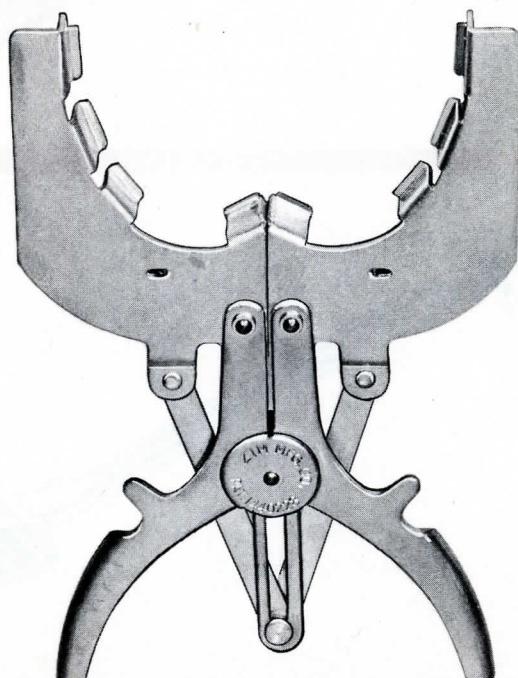
PISTON RING EXPANDERS

Speeds ring removal and installation—does it easily, without danger of breakage, distortion or other damage to rings, no matter how delicate they may be. It saves time—saves rings.

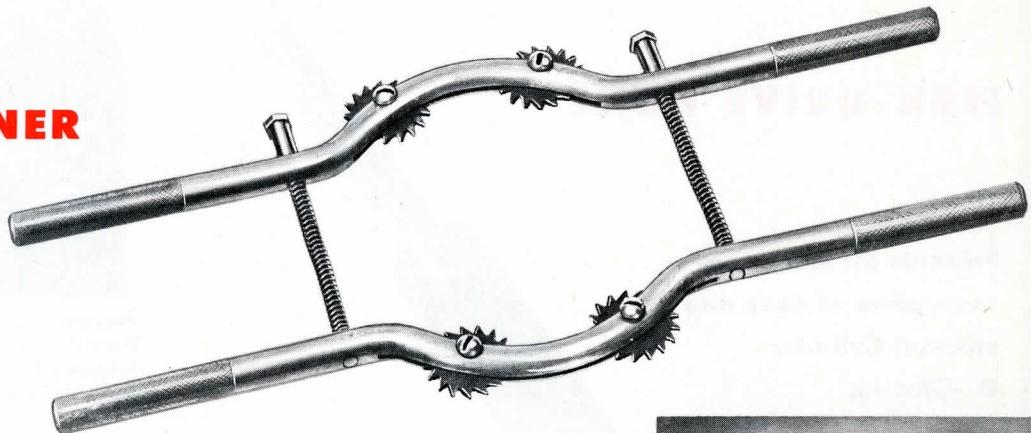
Made entirely of steel, requires no adjustments and is positive in operation.

Available in three sizes:

- Part No. 1258 For Rings 2" to 3" dia.
1941 For Rings 2 $\frac{3}{4}$ " to 4 $\frac{1}{4}$ " dia.
1936 For Rings 4 $\frac{1}{2}$ " to 7" dia.



UNI-BLADE GROOVE CLEANER



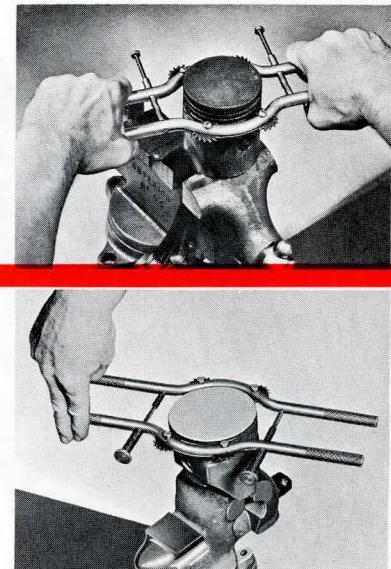
**revolutionary new design
cuts cleaning time in half**

Uni-Blade is the only groove cleaner that cleans all width ring grooves without adjustment. Most pistons have at least two groove widths. With Uni-Blade you lose no time selecting and adjusting blades. Same blades, same action thoroughly cleans all grooves. Unique blade design cleans without damaging or marring ring lands or catching in slots or holes in bottom of grooves. Uni-Blade walks over pin on Hudson pin pistons.

Extremely fast to use. Just slip it over the piston and insert blades in groove. Rotate blades 180° several times and you remove all carbon—even the tiny pockets in the corners.

Operates on all pistons 2 $\frac{3}{4}$ " to 4 $\frac{1}{4}$ " diameter.

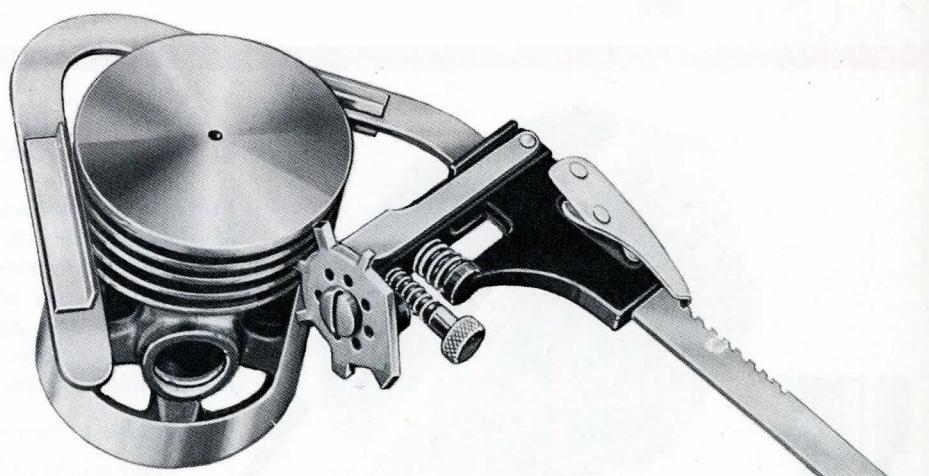
Part No. 1933 Uni-Blade Groove Cleaner
1934 Replacement Cleaning Blades



MULTI-BLADE GROOVE CLEANER

Multi-Blade offers a one-piece blade arrangement for the following groove widths: $\frac{5}{64}$ ", $\frac{3}{32}$ ", $\frac{1}{8}$ ", $\frac{5}{32}$ " and $\frac{3}{16}$ ".

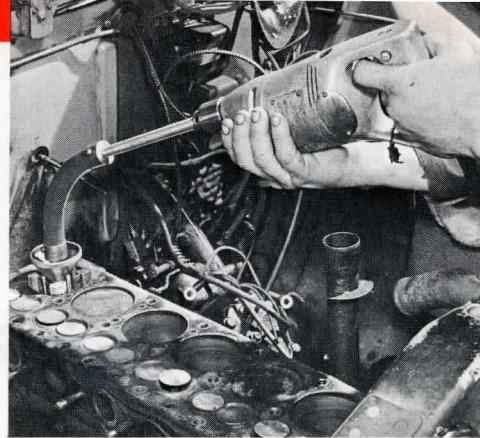
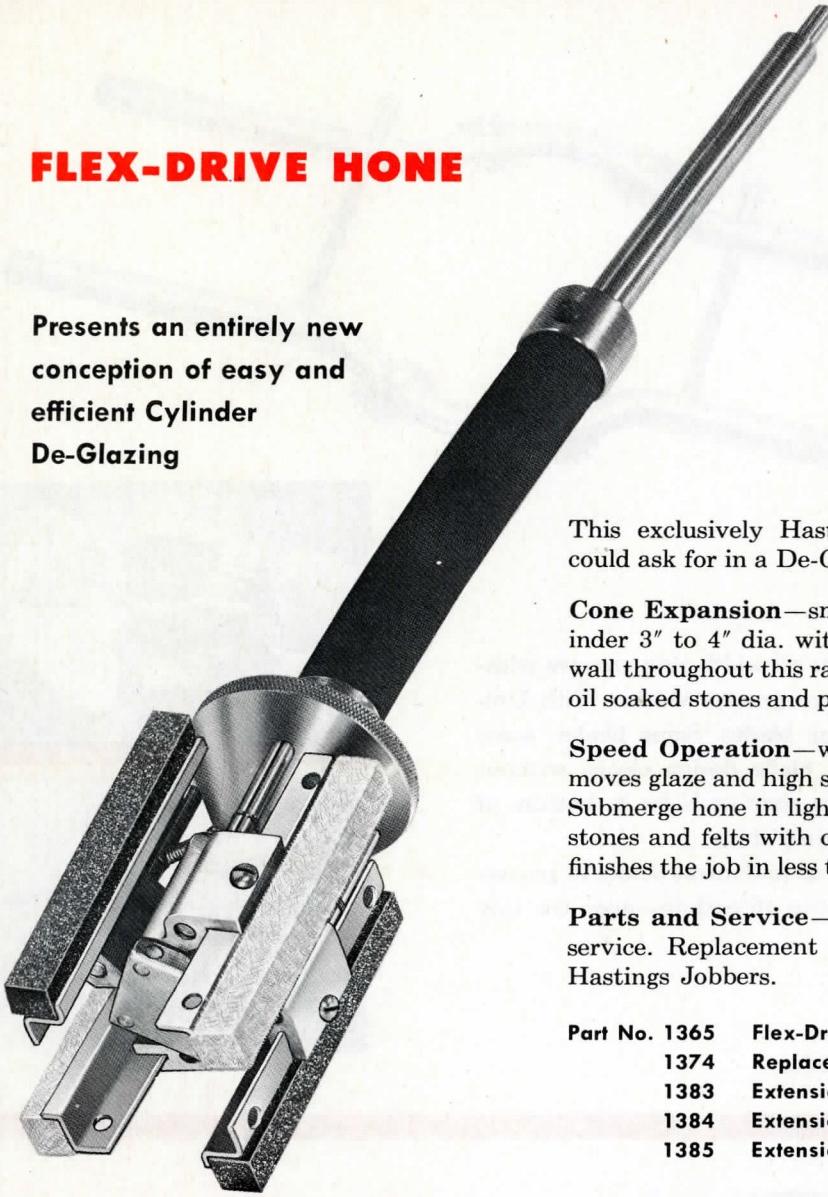
Narrow blades remove carbon from the grooves and wide blade trims ring land faces. Depth guard control prevents blades from digging or catching in drilled holes in oil ring grooves. Available in three sizes:



- | | |
|---------------|--|
| Part No. 1025 | Multi-Blade Groove Cleaner 2.6" to 5" dia.
pistons |
| 1026 | Multi-Blade Groove Cleaner 4" to 6" dia.
pistons |
| 1275 | Multi-Blade Groove Cleaner 2" to 3" dia.
pistons |
| 1009 | Replacement Groove Cleaner Blade and Screw
(for 1025, 1026 or 1275 Groove Cleaners) |
| 3176 | Replacement Blade for $\frac{1}{4}$ " grooves |

FLEX-DRIVE HONE

Presents an entirely new conception of easy and efficient Cylinder De-Glazing



Flexible driveshaft operates from any angle. Permits quick entry into back cylinders. Overhanging fire walls or other accessory obstructions do not impair its use.

This exclusively Hastings Hone offers every feature a mechanic could ask for in a De-Glazing Tool:

Cone Expansion—smooth operating cone adjusts hone to any cylinder 3" to 4" dia. with uniform operating pressure against cylinder wall throughout this range. Eliminates compressing spring-loaded and oil soaked stones and pads by hand.

Speed Operation—whirlwind action of fine grit stones quickly removes glaze and high spots, but takes no appreciable amount of metal. Submerge hone in light oil, remove and insert into cylinder. Expand stones and felts with cone expansion head. A few strokes in cylinder finishes the job in less than 5 minutes.

Parts and Service—rugged construction insures long, satisfactory service. Replacement stones, pads, and other parts available from Hastings Jobbers.

- Part No. 1365 Flex-Drive Hone, complete 3" to 4" cylinders
1374 Replacement Stones and Pads
1383 Extension for 4" to 5" cylinders
1384 Extension for 5" to 6" cylinders
1385 Extension for 6" to 7" cylinders



CYLINDER WALL DE-GLAZER

For speedy, economical De-Glazing—De-Glazer consists of eight special abrasive sheets riveted at the center and stiffened by a spring steel backbone. As the abrasive edges wear, loosen lock screw and turn to next edge. De-glazing costs only a few pennies and pays off many times over in successful ring jobs. A complete block can be de-glazed in less than 5 minutes. Use with either $\frac{1}{2}$ " or $\frac{1}{4}$ " drill.

Available in four sizes for bores 2" to 7" dia.

- Part No. 1113 De-Glazer 2" to 3" bores
1240 Replacement Element for No. 1113
1093 De-Glazer 2 $\frac{3}{4}$ " to 3 $\frac{1}{8}$ " bores
1241 Replacement Element for No. 1093
1097 De-Glazer 3 $\frac{3}{4}$ " to 5 $\frac{3}{4}$ " bores
1242 Replacement Element for No. 1097
1243 De-Glazer 5" to 7" bores
1245 Replacement Element for No. 1243

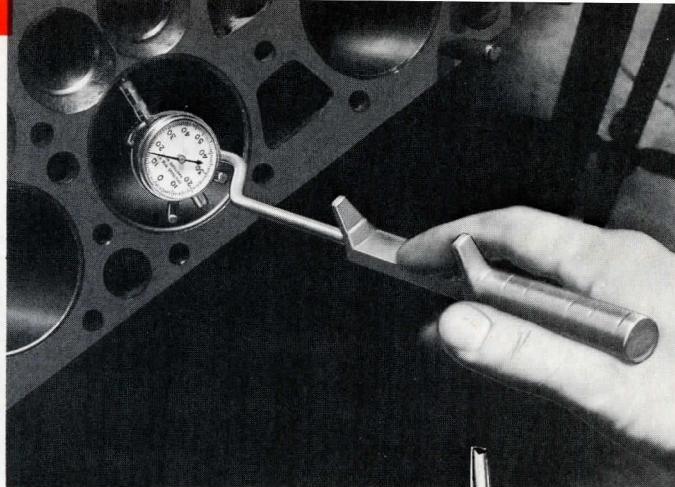
"FULL TRAVEL" CYLINDER GAUGE

Sells rebore jobs . . .
insures your workmanship

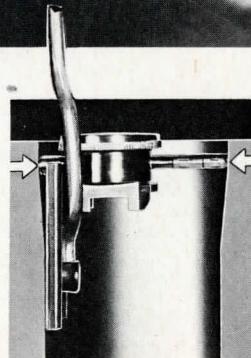
Hastings Improved "Full Travel" Cylinder Gauge accurately measures size, taper and out-of-roundness. Measures all the wear from bottom to extreme top cylinder. Gauge points are located above guide shoe to permit precise readings at top of ring travel where most of the wear is found.

Simple to use—just compress gauge points slightly and slip into cylinder—gauge centers itself. Easy-to-read dial registers to $.001"$. Gauge extensions included.

Available in two sizes for automotive and small bore engines.



	Part No. 1106	Cylinder Gauge for $2\frac{3}{16}$" to 6" dia- meter cylinders
1406		Cylinder Gauge for $1\frac{1}{8}$" to $3\frac{1}{2}$" dia- meter cylinders
1102		$\frac{1}{8}$" Gauge Contact Point
1103		Dial Indicator
1107		Set of 3 Gauge Ex- tensions



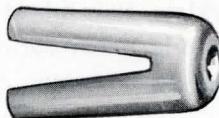
BEARING OIL LEAK DETECTOR

Engine using oil? Don't know where it's going?
Here's the way to find out!

The Hastings Bearing Oil Leak Detector is the perfect aid in all oil control and overhaul work. Simply by dropping the oil pan, any repairman can use the detector to check all bearings and oil lines quickly, on any full pressure lubrication system. It reveals otherwise undetected defects. Clearly demonstrates to car owners when bearings are at fault and must be replaced. Detector is splash-proof, tip-proof, and designed for one-man operation. Equipped with chain and finger hook for easy portability and to support drill.

Part No. 3000	Oil Leak Detector
3001	Replacement Hose
3002	Pressure Gauge

OIL METER PLUGS



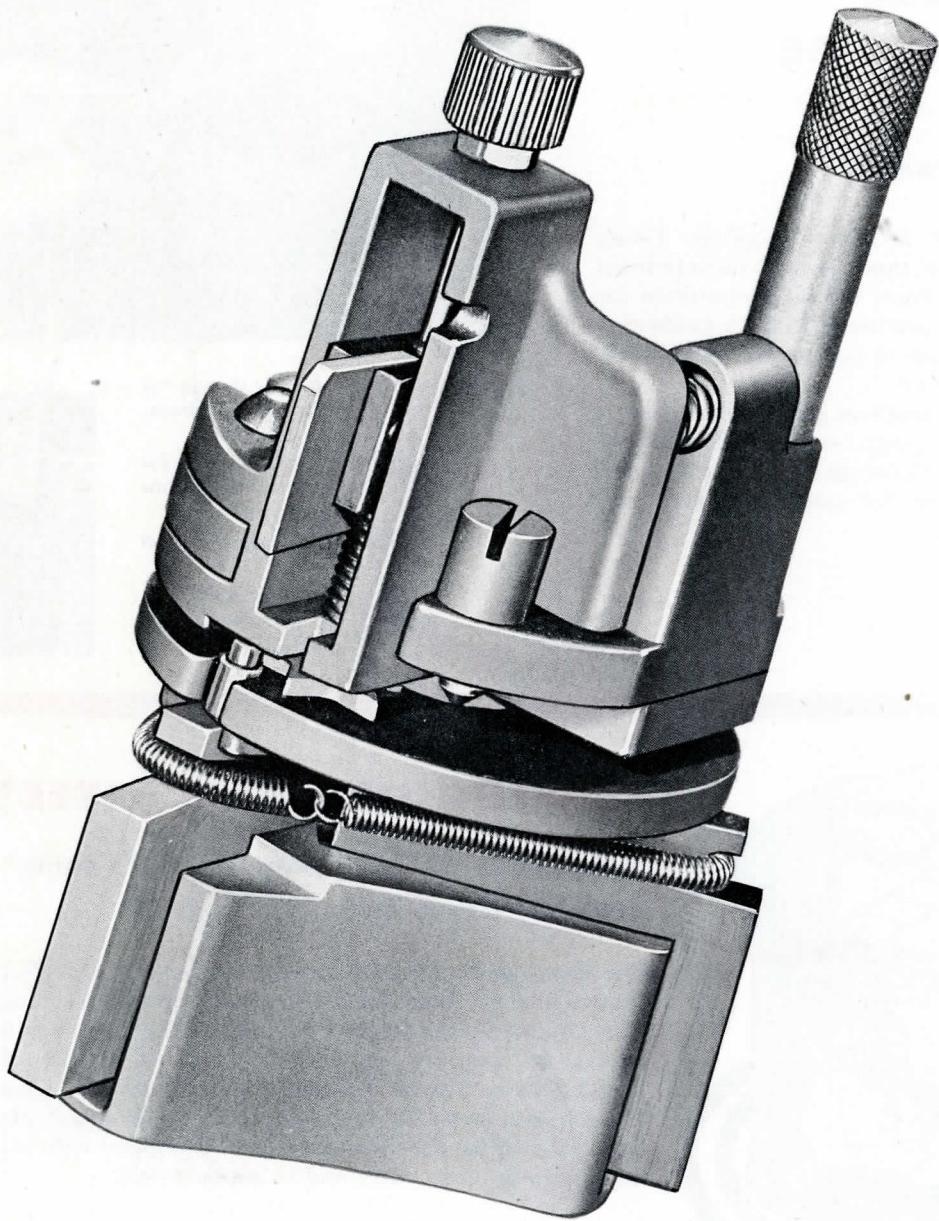
Designed for insertion in camshaft oil lines to prevent excessive camshaft bearing leaks, protect main and rod bearings, increase oil pressure, keep excess oil out of tappet chamber, and insure cylinder wall lubrication.

Non-clogging metered orifice assures ample lubrica-

tion to the camshaft bearings, yet prevents an excessive amount of oil being bled away that should go to the main and connecting rod bearings.

Packaged in sets of four plugs each:

Set No. 800	Two $\frac{1}{4}$" and two $\frac{5}{16}$" plugs. For Plymouth 6 cyl. 1942-58; Dodge, DeSoto, and Chrysler 6 cyl. 1937-52.
805	Four $\frac{5}{16}$" plugs. For Plymouth 6 cyl. 1934-41; Dodge, DeSoto, and Chrysler 6 cyl. 1953-58.



SLIK-KUT RIDGE REAMER

Here's a new Ridge Reamer that handles the wide range of bore sizes found in modern engines. Featuring the Hastings automatic "Feed-Up" design, the Slik-Kut works in any engine over a new wide range of 3" to 4½".

It is made of highest quality materials. Tungsten carbide blade assures long life and ease of operation. Every mechanic will need one to work on the larger bores now in use.

Just insert reamer in bore below ridge and rotate cutterhead until blade emerges from top of bore. That's

all there is to do—no resetting necessary even for wide ridges. Star wheel feed advances blade smoothly and firmly under spring tension—never allows it to slip, gouge or chatter. Available in two sizes.

Part No. 1050	3" to 4½" dia. (with tungsten carbide blade)
3036	4" to 6" (with tungsten carbide blade)
3037	Extension for 3036 for 6" to 7" bores
3034	Carbon Steel Blade for 1050 or 3036
3035	Tungsten carbide for 1050 or 3036

HASTINGS RIDGE LATHE

Range 3"-5".

A new type ridge removing tool designed to handle all modern engines 3" to 5" bores, including short stroke types.

Lathe action removes ridge in one easy operation.

Cutter moves up the bore in one easy cut, no interruptions, chatter or jump.

Lathe is centered and supported entirely within the cylinder. Works perfectly in new canted block engines because it has no relative requirement between cylinder and top of block.

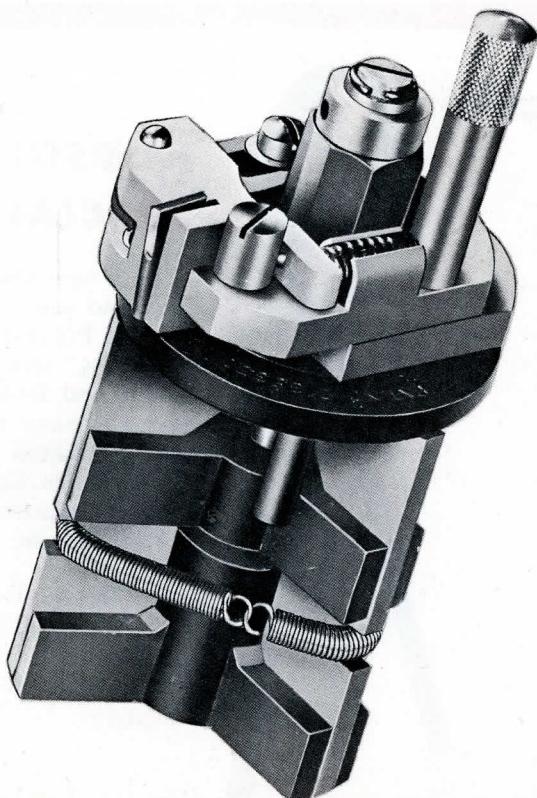
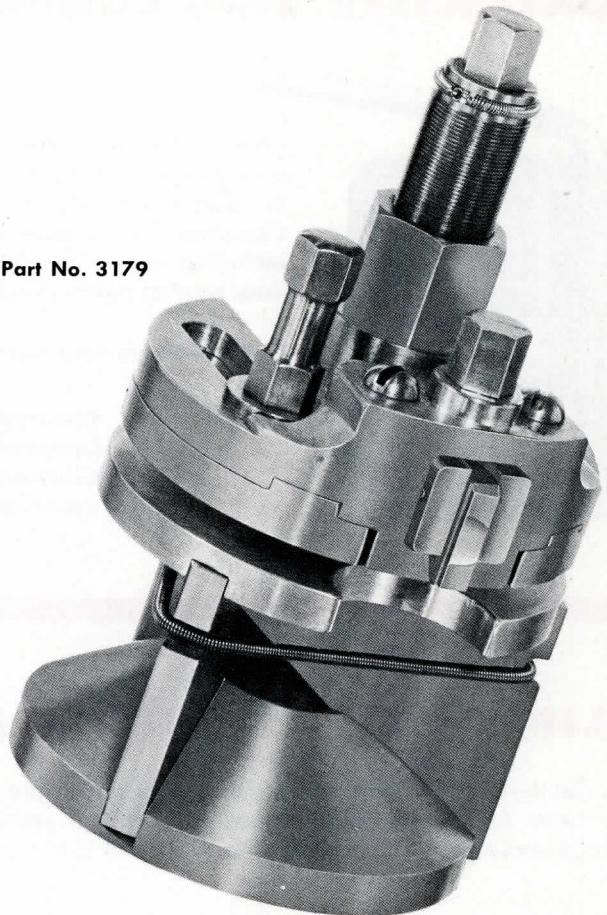
Three position setting of cutter permits transfer from one cylinder to next without changing adjustment of cutter carriers.

Follows out-of-round cylinder contours, pockets or other imperfections. Will not overcut, chatter or dig in.

Part No. 3179 Ridge Lathe 3" to 5" dia.

3180 Replacement Tungsten Carbide cutting blade

Part No. 3179



SAF-T-BLADE

A long-time favorite with mechanics everywhere. Sturdy, dependable, accurate. Cutting blade follows cylinder wall under spring tension regardless of the shape of the bore. Famous Saf-T-Blade prevents over-cutting metal after the ridge is removed.

Also available in special small size for 2"-3" Bores.

Part No. 1261 Baby Saf-T-Blade reamer 2" to 3"

1057 Saf-T-Blade Reamer 2.6" to 4" dia.

1058 Extension head for 1057 for 4" to 5"

1059 Carbon steel Saf-T-Blades

1060 Tungsten carbide Saf-T-Blades

CONEMASTER RING COMPRESSORS



Conemaster wrap-around type compressors are speedy tools for installing pistons in most makes and models of engines. Compressor band takes all rings at once, including skirt rings. Self-locking heavy duty ratchet pawl prevents premature release.

Automatic friction brake. Double tension band of highest grade spring steel eliminates any bottom flare.

Works on new canted block engines, too. Simply invert compressor on piston and follow usual procedure.

Available in four sizes for pistons 2" to 10" diameter

- Part No. 1129 Conemaster Midget for pistons 2 $\frac{1}{4}$ " to 3" diameter
1134 Conemaster Compressor for Passenger Cars 2 $\frac{1}{8}$ " to 5" diameter
1135 Conemaster Compressor for Truck and Tractor Engines 3 $\frac{1}{2}$ " to 7" diameter
3167 Conemaster Compressor for 7" to 10" Pistons

SLIPPER SKIRT RING COMPRESSOR

Special design with narrow compressor band for slipper skirt pistons. Compresses rings firmly without fun-

neling at pin sides of piston. Permits smooth, speedy installation. For pistons 2 $\frac{1}{8}$ " to 4 $\frac{3}{8}$ " diameter.



Part No. 1132

CONEMASTER WIDE BAND COMPRESSOR

for heavy duty skirt ring pistons 3 $\frac{1}{2}$ " to 7" diameter

Compressor band 6 $\frac{1}{2}$ " wide, four spring steel tension bands, double, self-locking ratchet. Automatic friction brake.

Part No. 1138

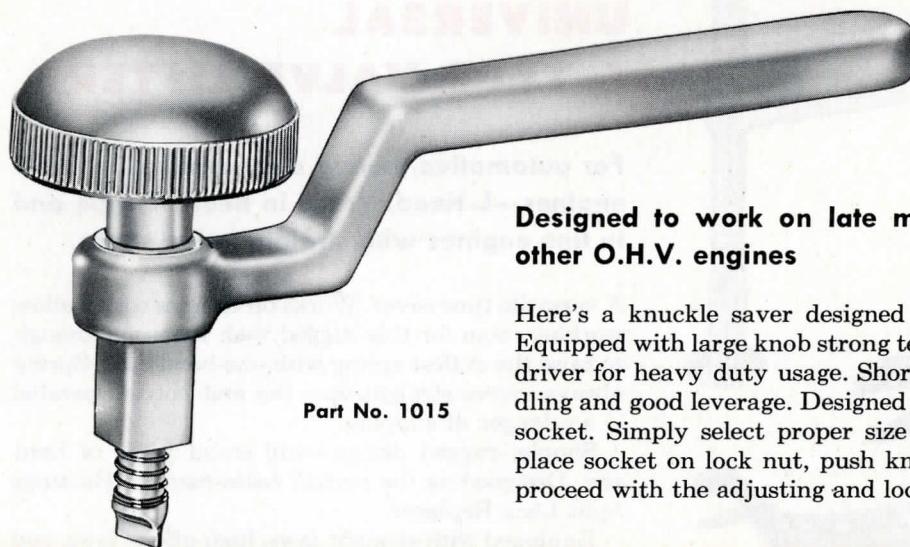


HUDSON SPECIAL

A fast operating tool designed especially for Hudson Pin pistons 3 $\frac{9}{16}$ " and 3 $\frac{13}{16}$ " dia. Short height and lever action make it easy to align rings on piston and slip into cylinder. Eliminates ring breakage from wedging against pin.

Part No. 1139

"OVERHEAD VALVE" TAPPET ADJUSTER



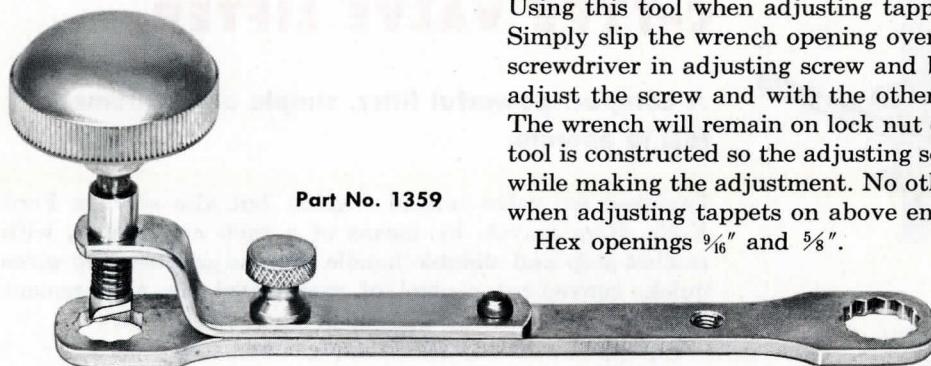
Part No. 1015

Designed to work on late model Fords, Mercury, Lincoln and other O.H.V. engines

Here's a knuckle saver designed for use on all overhead valve engines. Equipped with large knob strong tension spring and high carbon steel screwdriver for heavy duty usage. Short stocky handle ($6\frac{1}{4}$) assures easy handling and good leverage. Designed to use with any fourway $\frac{1}{2}$ " square drive socket. Simply select proper size socket, insert adjuster in drive socket, place socket on lock nut, push knob down to engage adjusting screw and proceed with the adjusting and locking operation.

"HEAVY DUTY" TAPPET ADJUSTER

For Chevrolet, Buick, Nash and Ford 6 overhead valve engines



Part No. 1359

Using this tool when adjusting tappets is just like having an extra hand. Simply slip the wrench opening over the adjusting screw lock nut, engage screwdriver in adjusting screw and back off lock nut. With one hand you adjust the screw and with the other check adjustment with feeler gauge. The wrench will remain on lock nut despite movement of rocker arm. This tool is constructed so the adjusting screw is never hidden from view of user while making the adjustment. No other tool except feeler gauge is required when adjusting tappets on above engines.

Hex openings $\frac{9}{16}$ " and $\frac{5}{8}$ ".

BRAKE CYLINDER HONE



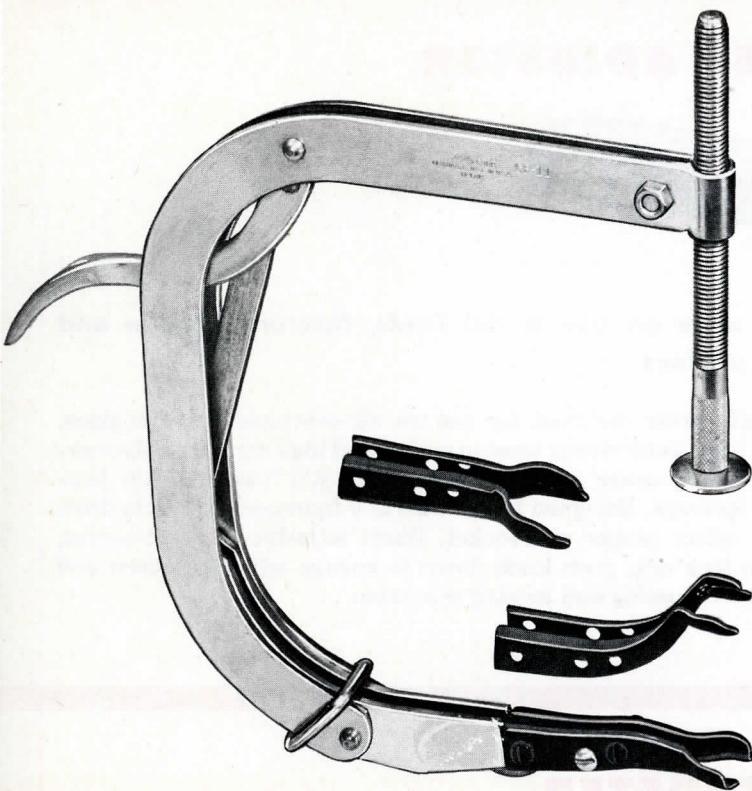
Full range hone. Just one tool for all cylinders $\frac{3}{4}$ " to 2" diameter. No adapters or changes to make. One easy adjustment controls pressure in any size cylinder.

Flexible drive shaft makes it easy to hone cylinders right on the car.

Hones full length of cylinder—right to the end on step-cut and blind-end cylinders. Just one size and type of stone for all work.

Part No. 3183 Brake Cylinder Hone

3184 Replacement hone stones



UNIVERSAL C-TYPE VALVE LIFTER

For automotive, heavy duty and industrial engines—L-Head, Valve in head, V-type and in line engines with straight valve stems.

A versatile time saver. Works on engines which allow working room for this rugged tool. Powerful enough to raise the stiffest spring with one-hand ease. Spring always moves straight up—top and bottom parallel—no danger of slipping.

Simple, rugged design—will stand years of hard use. Designed as the perfect team-mate of Hastings Split Lock Replacer.

Equipped with straight jaws, high off-set jaws, and large jaws.

Part No. 3182

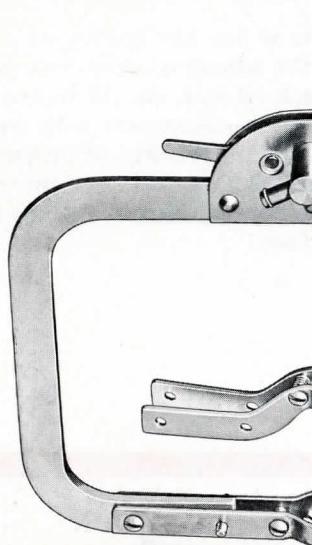
C-TYPE VALVE LIFTER

A compact powerful lifter, simple and extremely fast to operate.

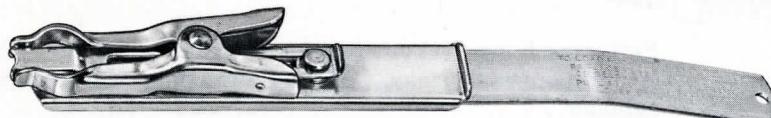
Designed for valve-in-head engines, but also services Ford V-8's. Ram travels by means of a rack and pinion, with ratchet stop and slidable handle rod. Adjustable stop gives quick, convenient control of ram travel, an arrangement which avoids unwieldy wide-open frame operation.

Equipped with adjustable straight and step jaws.

Part No. 1397	C-Type Valve Lifter
1398	Replacement Straight Jaws
1399	Replacement Step Jaws



SPLIT LOCK REPLACER

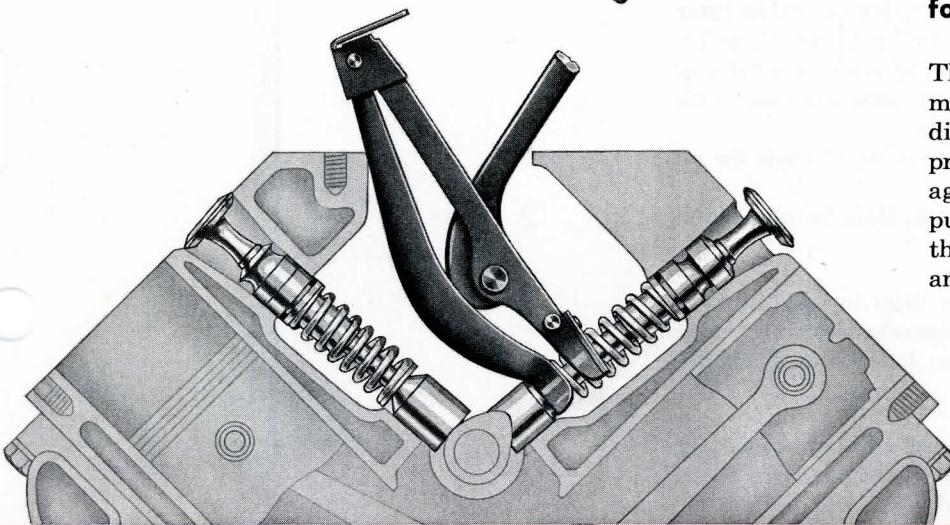
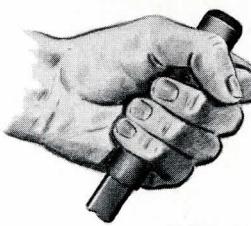


Part No. 3185

For all engines using valve stem split lock.

This handy time saver makes quick work out of an awkward job. It quickly positions lock on stem without hunting or dropping of locks. Holds locks right in posi-

tion until lock retainer is lowered to receive them. Slim sturdy design. Just the right size and shape to work in the tightest blocks. Ruggedly built to withstand years of hard use.



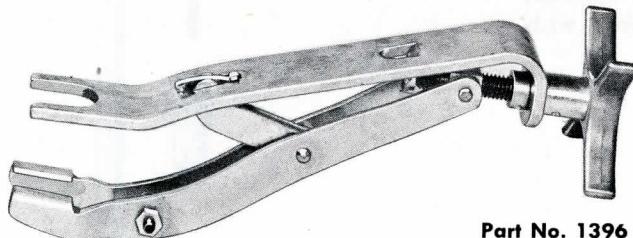
PRODUCTION LINE VALVE PULLER

for Ford V-type engines

The fastest and most rugged valve tool on the market for removing V-8 valve assemblies. Sturdily built of drop forgings—tested under actual production line rebuilding service. Will not damage valves or valve springs. Valve guide retainer puller has easily replaceable tip. Only two parts—the valve puller and key puller. For easy operation and fast, positive action, there's nothing like it.

Part No. 1017	Production Line Valve Puller
1011	Replacement Jaw with Rivets
1013	Key Puller
1014	Key Puller Tip

V-8 VALVE LIFTER AND SPRING COMPRESSOR



Part No. 1396

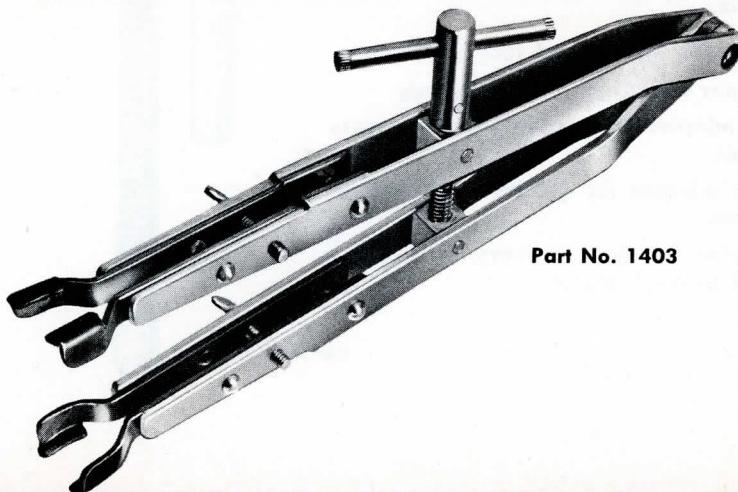
Here's a short powerful lifter designed for use in cramped areas around hard to get at valves. This latest version of the screw type lifter incorporates the necessary fea-

tures of high lift, abundant room for inserting and removing valve keys, heavy duty construction, and has the special feature of reverse operation for re-installing springs.

To compress a spring for removal, simply turn hand screw counter-clockwise. To lift a spring, turn clockwise. Tool holds automatically at any point.

Lower jaw and frame are one solid piece of case hardened steel. Upper jaw is tempered spring steel. A sturdy tool designed and constructed to give years of service.

SMALL ENGINE VALVE SPRING COMPRESSOR

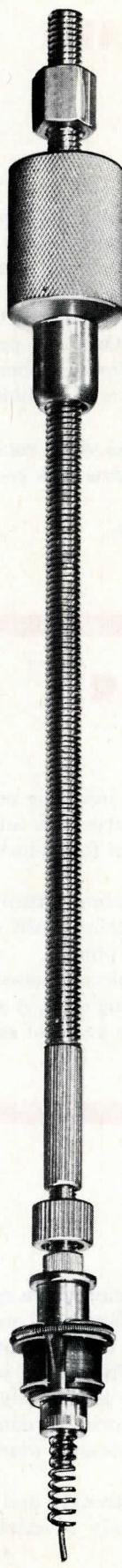


Part No. 1403

The ideal tool for removing and replacing valve springs in Briggs and Stratton, Clinton and other small engines. Long slender design enables this tool to reach into the small recesses in these engines and deftly do the job.

Spring steel jaws have thin edges that easily slide over and under the ends of the valve spring to compress it for removal. Thumb screw adjustment widens or narrows jaws to fit valve springs.

A simple, positive tool with ample strength and nothing to get out of order. Made entirely of steel with cadmium finish.



HYDRAULIC LIFTER TOOLS

Stop fishin' and fussin' on hydraulic valve lifter jobs. Hastings Hydraulic Valve Lifter Tools remove and disassemble stuck lifters in a matter of minutes. Even the toughest jobs are easy with these specially designed tools.

Universal applications—one set of tools for all hydraulic valve lifter jobs.

Set includes pulling chuck, slide hammer, and disassembly tool.

Pulling Chuck fastens to lifter by means of expanding split ring that engages the lock ring groove at top of lifter. Plunger on bottom of chuck releases lifter check valve.

Slide Hammer is inserted through push rod opening and connected to pulling chuck to remove lifter. A few bumps up and down with slide hammer frees even the most tightly stuck lifter.

Disassembly Tool is used to take frozen lifters apart. By turning small hex head the split collet is expanded to grip lifter piston. Medium hex head is placed in vise and large hex head turned with wrench to push off lifter body.



FLEXIBLE DRIVE KIT

One of the handiest "Gizmos" in a tool box. A great variety of uses but especially handy for adjusting late model Delco Remy distributors on V-8 engines, and all hard to get at carburetor adjustment screws.

Kit includes flexible driver and four adapters:

- ½" hex adapter for adjusting distributors
- screw driver adapter for carburetor adjustments and other uses
- screw starter adapter for quickly locating and starting screws
- magnet adapter for easy recovery of dropped parts in hard to reach places.

Part No. 3181



Part No. 3193

THERMOFIT PIN FITTER

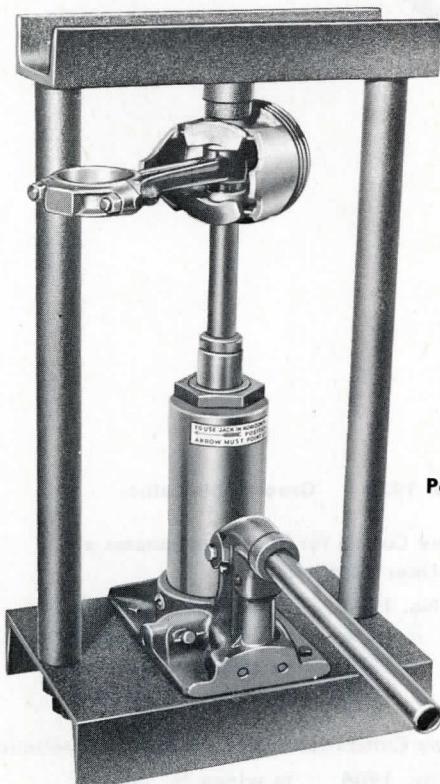
For safe-fast economical installation of interference fit piston pins in Cadillac, Chevrolet, Buick, Hudson, Rambler, Nash and others.

This special design electric furnace utilizes the same process for installing interference fit pins used by the car manufacturers. Furnace expands the eye of the connecting rod so piston pin can be installed with finger pressure. Eliminates broken pistons, scored pins, packing metal in the pin boss, and other hazards encountered when piston pin is forced through the rod cold.



Part No. 3194

UNIVERSAL PIN REMOVAL PRESS



Part No. 3195

5 ton capacity hydraulic press with all fixtures necessary for speedy removal of pins from interference fit pistons. Convenient small size takes up little room and is especially adapted for your pin fitting department.

UNIVERSAL INSTALLATION GAUGE



Adjustable gauge quickly and easily installs and centers rods on interference fit piston pins. Set gauge before disassembling piston and rod assembly. Loosen allen set screw and slide collar back. Insert small end of gauge in pin hole and push until rod contact opposite pin boss. Slide collar back until contact is made with piston and lock collar. Gauge is now set and ready to quickly determine centered position when reassembling piston.

Part No. 3197 Universal Installation Gauge,
3198 for all pistons except Rambler
 Rambler Installation Gauge

UNIVERSAL PIN REMOVAL FIXTURE

Part No. 3196



Pin removal fixture to be used with your press for removing interference fit piston pins.



PISTON LATHE

A sturdy, efficient hand lathe to straighten ring lands, widen and deepen ring grooves. Extremely accurate and adaptable for all pistons 3" to 5 $\frac{3}{4}$ " diameter. No complicated adjustments and no shims required.

Special ring depth gauge attachment controls depth of cut for proper Steel-Lock installation. Prevents over or under cutting. Makes spacer installation fast and easy.

Long life Carboloy cutters available in various groove sizes for installing Hastings Perma-Liners, Regroove Spacers, and Steel Lock Spacers. Cutters Nos. 1274, 1276, and 1905 supplied with lathe.

Part No. 1920 Groove Rite Lathe

Carboloy Cutters for Regroove Spacers or Perma-Liner Installations.

Part No. 1274	to widen $\frac{5}{64}$ " grooves
1276	to widen $\frac{3}{32}$ " grooves
1277	to widen $\frac{1}{8}$ " grooves
1278	to widen $\frac{5}{32}$ " grooves

Carboloy Cutters for Steel Lock Spacer Installations.

Part No. 1904	to widen $\frac{3}{32}$ " grooves
1905	to widen $\frac{1}{8}$ " grooves
1906	to widen $\frac{5}{32}$ " grooves
1907	to widen $\frac{3}{16}$ " grooves
1909	to widen $\frac{1}{4}$ " grooves
1911	to widen $\frac{5}{64}$ " grooves

PISTON REGROOVER

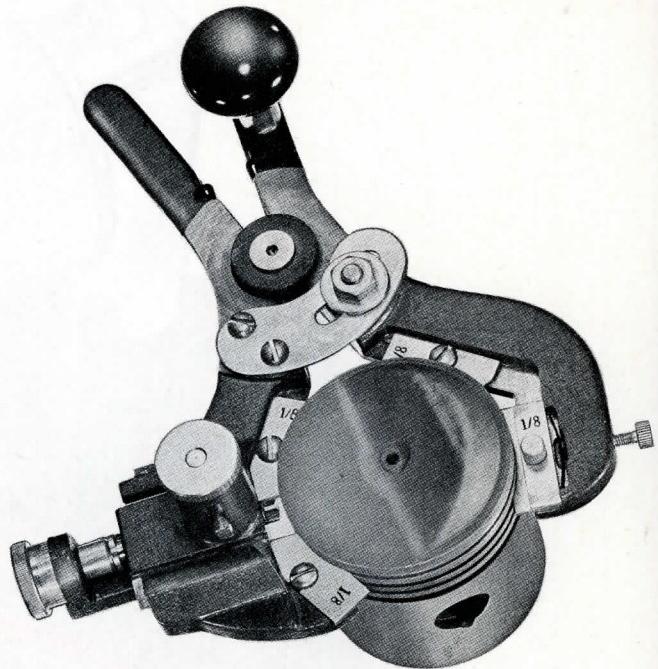
Part No. 1027

Smooth, easy lathe type action quickly and accurately reconditions worn or damaged top ring grooves on all pistons 2-4½" diameter.

- *Precision Work*—Guide plates hold precision ground cutter on true line.
- *Simple to adjust*—Handles like a pair of pliers.
- *Turns Easily*—Spring loaded cutter and guide blocks eliminate binding and chatter.
- *Wide Range*—Covers passenger cars, light and medium trucks and many small engines.
- *Economical*—A money maker for any engine shop.
- *Versatile*—May be used as hand tool or used with a power turning lathe.

Extremely Fast and Easy to Operate—Select and insert proper cutter. Insert guide plates in second groove and tighten lock nut. Adjust cutter to meet top ring groove and advance feed screw. Turn out the ring groove. Complete instructions included with each tool.

Long life Carboloy cutters available in various groove sizes for installing Hastings Perma-Liners, Regroove Spacers, and Steel Lock Spacers. Cutters Nos. 1274, 1276, and 1905 supplied with Piston Regroover.



Carboloy Cutters for Regroove Spacers or Perma-Liner Installations.

Part No. 1274	to widen $\frac{5}{64}$ " grooves
1276	to widen $\frac{3}{32}$ " grooves
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Carboloy Cutters for Steel Lock Spacer Installations.

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1907	to widen $\frac{3}{16}$ " grooves
1909	to widen $\frac{1}{4}$ " grooves
1911	to widen $\frac{5}{64}$ " grooves

PISTON VISE ATTACHMENT

Part No. 1945

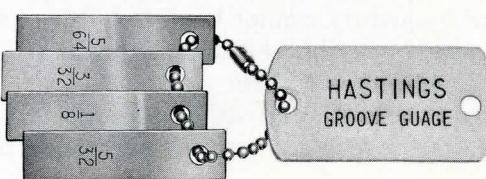
This carefully designed vise attachment holds piston securely and safely for all piston work. Prevents damage to piston during the regrooving operation and holds piston securely for installing steel-lock spacers and rings. It inserts in a regular machinist's vise and is instantly adjustable for pistons 1" to 4" in diameter.



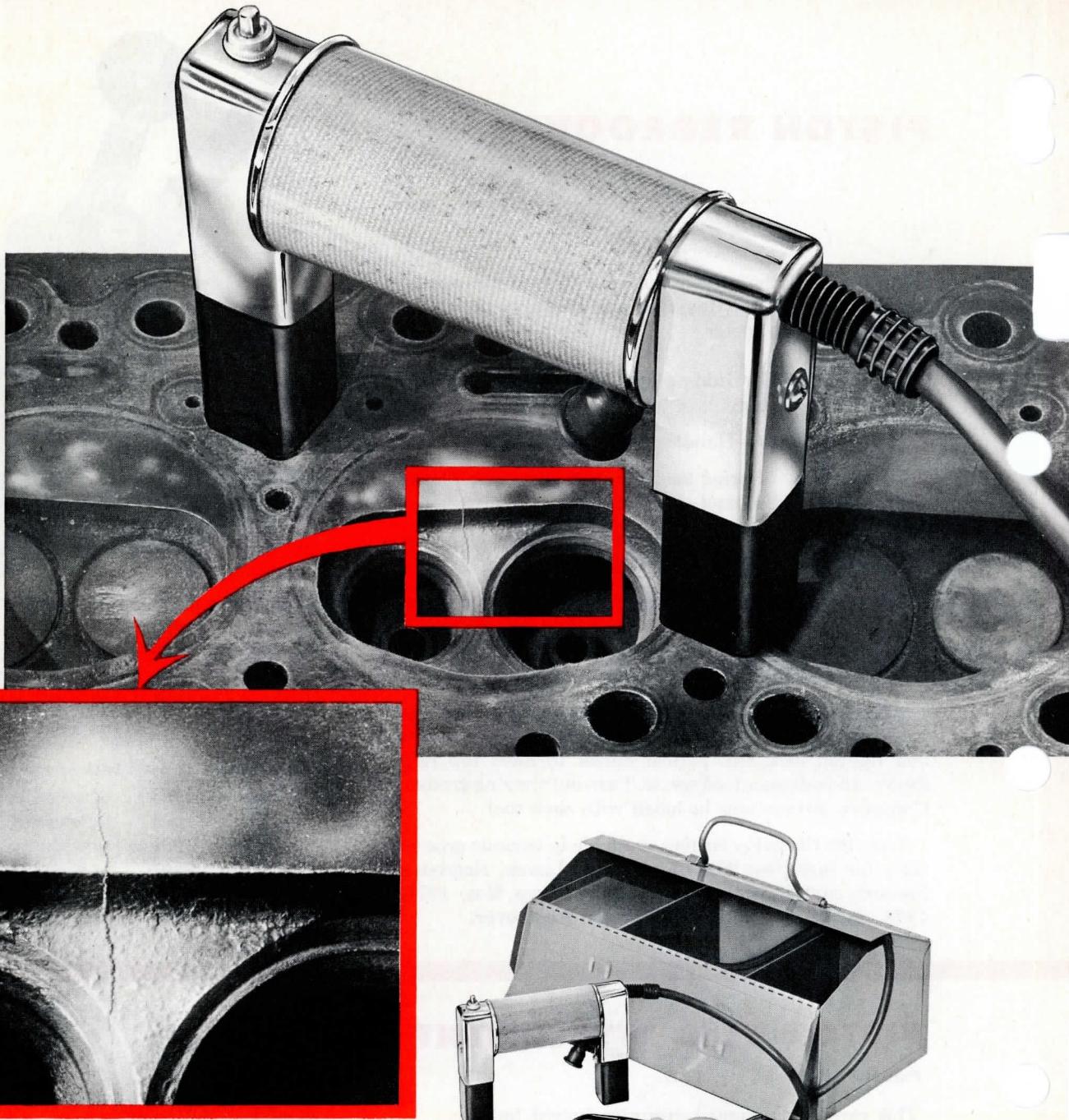
GROOVE WIDTH GAUGE

Part No. 1339

An extremely handy set of gauges to quickly determine groove width. Four gauges, $\frac{5}{64}$, $\frac{3}{32}$, $\frac{1}{8}$, $\frac{5}{32}$ ", with chain holder.



Part No. 1033



HASTINGS CRACK FINDER

Here's a real problem solver. Ever had a job where every indication points to a cracked head or block and yet careful visual inspection reveals nothing? Cracks that open under heat and pressure of engine operation frequently cannot be detected in a disassembled cold part, but Hastings Magnetic Crack Finder quickly locates them.

Simply plug in to 110 AC outlet, place Crack Finder across suspected area and switch on power

and spray magnetic dust between poles. If a crack is there, it quickly is defined by powder outline.

An extremely handy portable tool that has all the power of cumbersome more expensive equipment costing many times more. Extremely rugged construction. A one-time investment that will pay off for years.

Transformer, electromagnet, atomizer, metallic dust, and attachment cords all included in one sturdy metal carrying case.





MASTER CATALOG RACK

Big capacity fluorescent lighted counter catalog file. Capacity 28 one inch file sections. Tilted base for easy reading and wing supports at both ends. Black crackle finish trimmed in chrome. Adjustable fluorescent fixture mounts above rack to provide excellent, non-glare illumination of entire rack area.

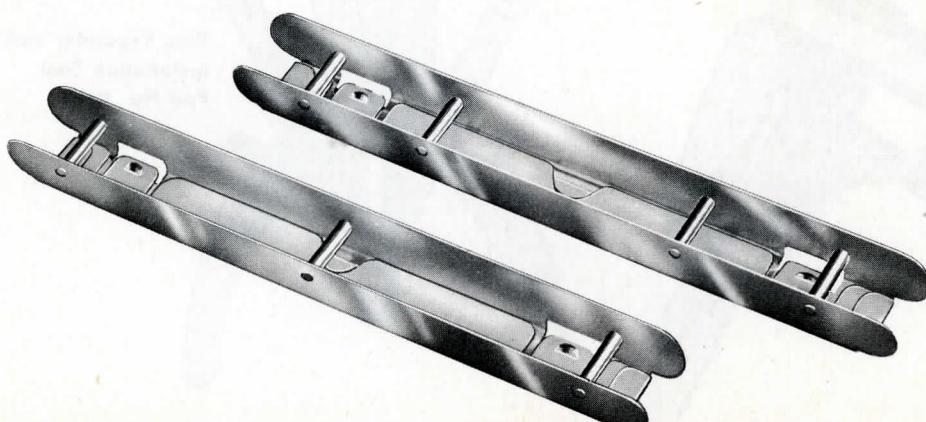
Supplied with 10 four-post file sections and 6 foot cord. Shipped less fluorescent tube. Overall length 38 inches. Shipping weight 40 lbs.

DEALER CATALOG RACK

A handy permanent file for catalogs, price sheets, bulletins, manuals and other reference material used daily. Wings allow pages to open wide and lie flat. Base tilted for easy reading from standing or sitting position. Twelve section capacity, four 4-post file sections included with unit. Size 12" x 17". Shipping weight 8 lbs.



Part No. 1162



CATALOG RACK FILE SECTIONS

Part No. 1166

4-post file sections for Kalamazoo punched material.

Part No. 1172

3-post file sections for 3-ring punched material.

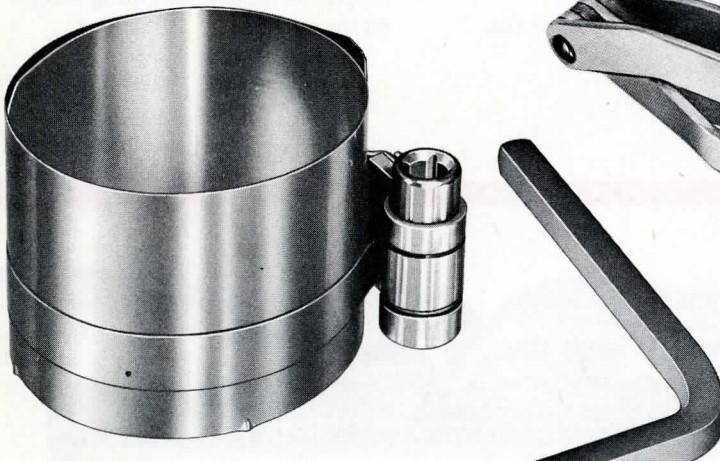
TOOLS FOR SMALL ENGINES

**outboard motors, power lawn mowers,
garden tractors, chain saws, and other small
power units**

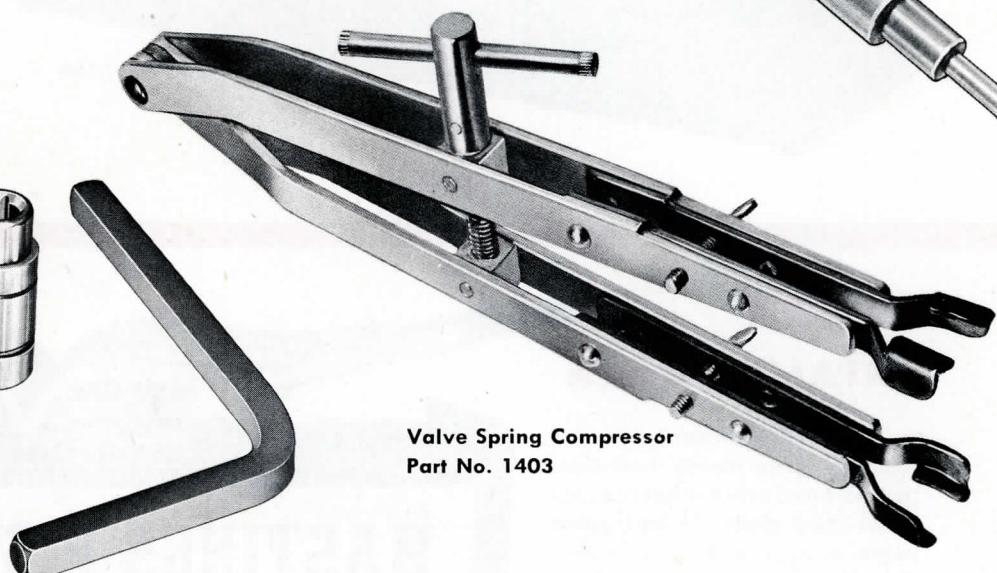
Servicing small bore engines is a rapidly growing business. And small bore engines require tools especially designed for work on them. Recognizing this need Hastings offers the following tools designed to service engines with 2" to 3" diameter bores.



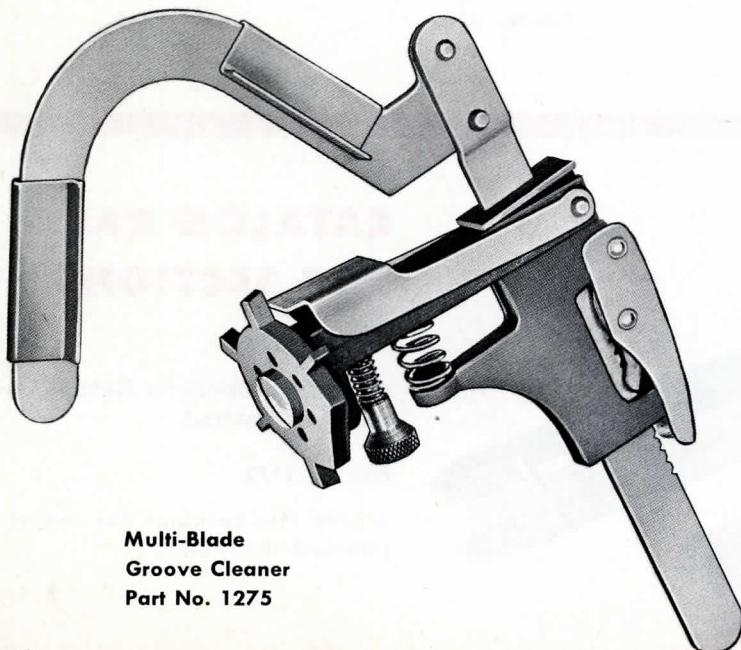
De-Glazer
Part No. 1113



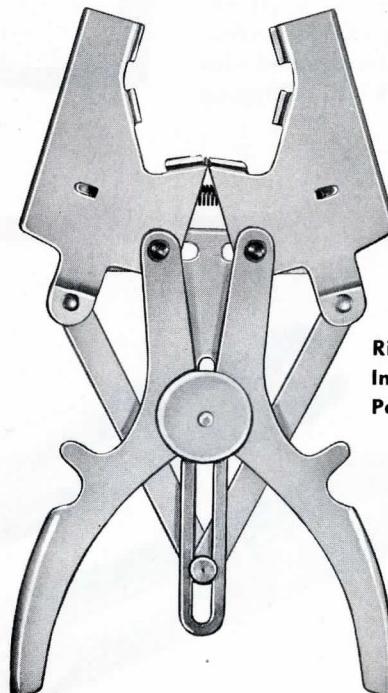
Conemaster
Midget Ring Compressor
Part No. 1129



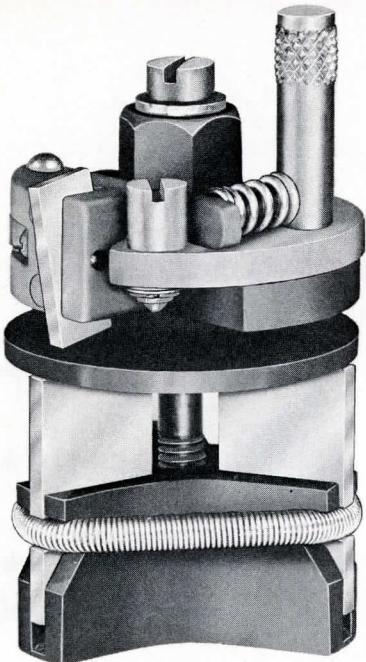
Valve Spring Compressor
Part No. 1403



**Multi-Blade
Groove Cleaner**
Part No. 1275



**Ring Expander and
Installation Tool**
Part No. 1258



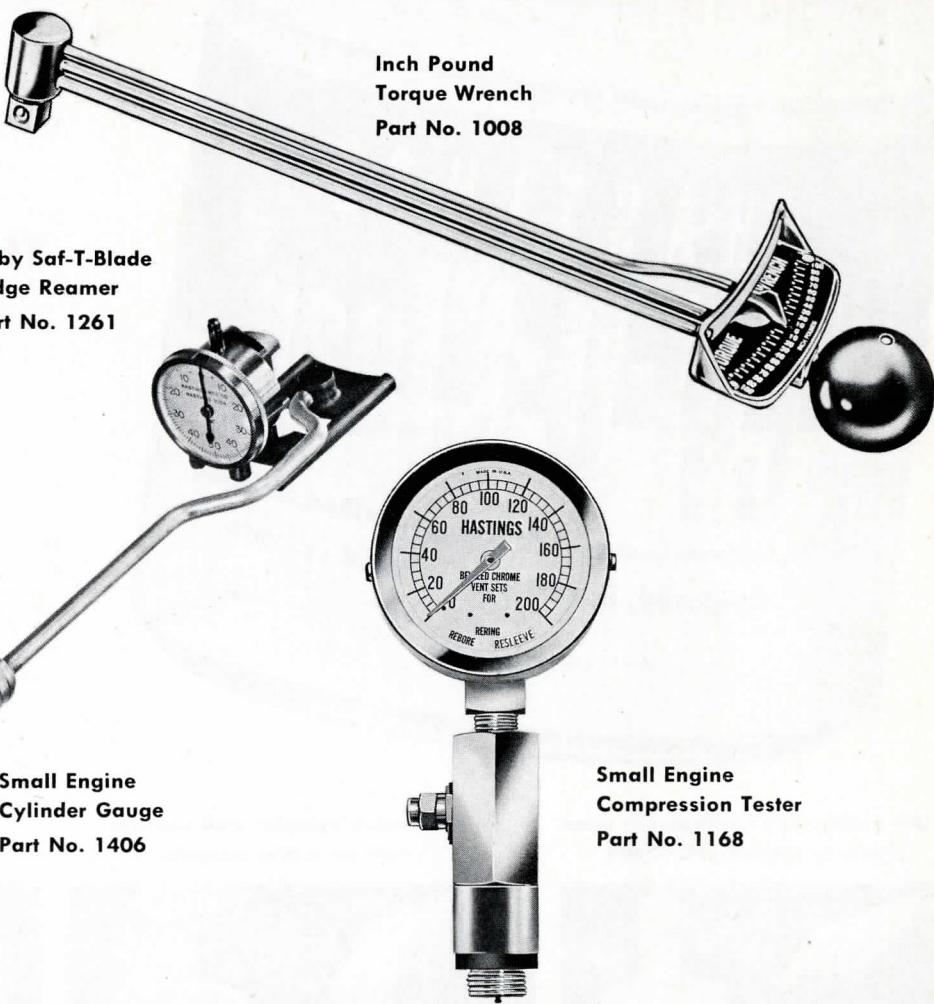
**Baby Saf-T-Blade
Ridge Reamer
Part No. 1261**

Part No. 1261



**Small Engine
Cylinder Gauge
Part No. 1406**

Part No. 1406



**Small Engine
Compression Tester
Part No. 1168**

PISTON RING SETS

for Small Bore Engines



Hastings manufactures a complete line of "Motor Engineered" piston ring sets for replacement service in small bore engines.

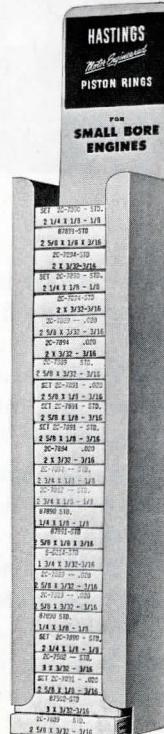
Hastings' "Motor Engineering" goes beyond ring and groove requirements . . . it assures you of the right ring combinations to meet specific

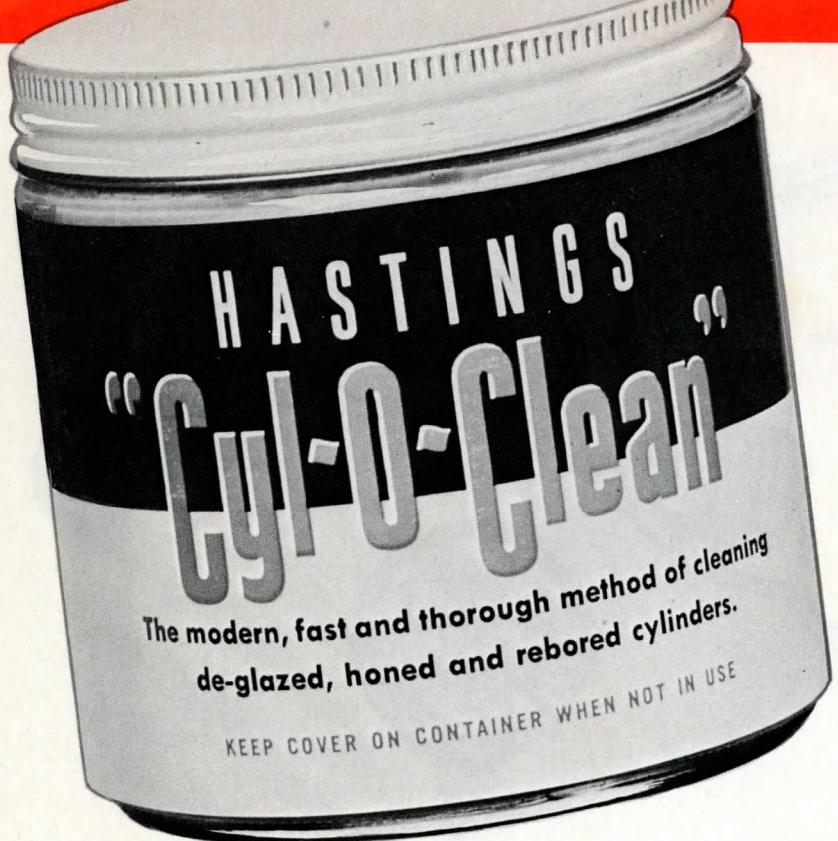
operating characteristics. In designing a ring set Hastings engineers carefully check the number, width, depth, and type of ring grooves on the piston. Then the basic engine design, type of lubricating system, type of cylinder, and the materials used are carefully considered in selecting the ring sizes and types to be used.

Yet this is only the start. The selected ring combinations are thoroughly tested—in modern laboratories under replacement test conditions—and in field installations—to assure peak performance from every Hastings "Motor Engineered" set.

For maximum power, oil control and engine life, ask your distributor for Hastings "Motor Engineered" piston ring sets.

The handy, compact set dispenser (right) is made of metal, decorated in yellow and black—hangs on the wall and holds up to 28 sets of rings. It is 24" high x 4" square. Set numbers are visible—you can tell at a glance just what numbers you have on hand, and your stock is always in one convenient spot. **Part No. 1020**





Use a mop-type applicator or clean cloth to apply Cyl-O-Clean.

Coat entire cylinder wall surfaces
—let set a few seconds.

and get every job
completely clean!

The Easy, Sure Way to Clean Cylinders in Seconds



Here at last is the answer to the problem of getting reconditioned cylinders really clean. It's Hastings Cyl-O-Clean . . . a radically new product that takes the drudgery and guesswork out of cleaning de-glazed, honed and rebored cylinders.

Realizing the importance of cylinder cleaning, Hastings engineers developed Cyl-O-Clean to make this operation fast and easy, yet assures a thorough cleaning job.

Cyl-O-Clean eliminates the old-fashioned, messy soap and water method.

Cyl-O-Clean speeds cleaning and does a better job because it quickly emulsifies, penetrating the pores of the metal. When wiped off, all abrasives,

gums and varnishes are picked up, leaving cylinders "handkerchief clean."

An 8 cylinder block can be cleaned in ten minutes or less—at less than a penny a hole. That's a saving in time and money no repairman can afford to overlook.

Available in 16 oz. jars and 1 gallon cans.

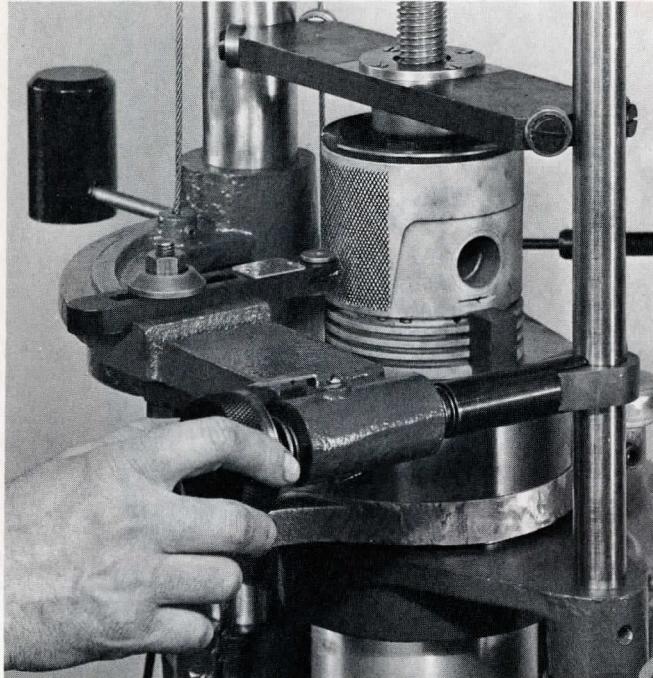
Part No.	Size	Case Quantity	Shipping Weight
1294	16 oz. jars	12	21 lbs.
1296	1 gallon can	4	32 lbs.
1297	Applicator		

**save the life of old pistons . . . stretch
the life of new pistons . . . with**

HASTINGS MICRO-KNURLING

Here's the most durable, the most accurate, the most satisfactory method of piston re-sizing and re-surfacing known. Exclusive Hastings Diamond Knurl Pattern assures better lubrication of pistons, rings and cylinder walls. Micro-Knurling saves money for your customers every time—enables you to use worn pistons with absolute safety. It gives you more satisfied customers all the time—eliminates come backs or complaints. Available for all type pistons from 1½" to 6¼" diameter.

The diamond knurled surface delivers an unusually durable finish. Thousands of installations prove Micro-Knurling the most permanent method of piston-expanding ever introduced.



EXCLUSIVE DIAMOND KNURL PATTERN

Crossed lines trap the oil, assure positive lubrication at all times, provide better break-in of new or used pistons.

- **Expands Worn or Collapsed Pistons—Brings Them Back to Size**
- **Re-Surfaces Old and New Pistons—Provides Better Lubrication**
- **Ends Scuffing and Scoring**
- **Reduces Blow-by**
- **Helps Rings Seat Faster**
- **Gives Better Break-in**
- **Assures Better Ring Jobs**
- **Ends Piston Slap**

**For better ring jobs and satisfied customers send all pistons
to your Hastings jobber for MICRO-KNURLING**

Make your job easier and more profitable

*Call your Hastings piston ring jobber
for the tools you need!*



HASTINGS PRICE LIST No. TM-581-D

Effective March 10, 1958

TOOLS AND ACCESSORIES

DEALER NET PRICES

NUMERICAL		ALPHABETICAL	
Tool No.	Dealer Price	Tool No.	DESCRIPTION
800.....	\$ 0.47		
805.....	.47		
806.....	.11		
807.....	.11		
1008.....	17.95		
1009.....	1.50		
1013.....	2.50		
1014.....	.30		
1015.....	4.40		
1017.....	16.75		
1024.....	9.00		
1025.....	4.80		
1026.....	5.50		
1027.....	67.50		
1029.....	.95		
1030.....	1.75		
1031.....	3.30		
1033.....	150.00		
1034.....	4.20		
1035.....	.15		
1036.....	5.95		
1050.....	17.75		
1057.....	12.95		
1058.....	5.95		
1059.....	.45		
1060.....	4.40		
1062.....	.75		
1067.....	.75		
1069.....	4.05		
1070.....	1.50		
1071.....	.35		
1093.....	8.00		
1095.....	13.15		
1097.....	8.65		
1102.....	.80		
1103.....	24.00		
1106.....	32.50		
1107.....	4.35		
1109.....	1.45		
1113.....	6.50		
1117.....	17.75		
1119.....	44.50		
1129.....	1.50		
1132.....	1.50		
1134.....	2.50		
1135.....	3.00		
			BATTERY CARRIER
		3191	Battery Carrier.....
			\$ 5.30
			BRAKE HONE
		3183	Hastings Brake Cyl. Hone.....
		3184	Replacement Stone for 3183 Brake Hone.....
			7.60
			1.80
			COMPRESSION TESTERS
		1035	Valve Core for 1165 Diesel Comp. Tester.....
		1140	"Pocket Size" Compression Tester.....
		1141	Right Angle Adapter for Comp. Tester.....
		1142	Standard Cone for Compression Testers.....
		1143	Stem for 1140 Compression Tester.....
		1144	Lens for Gauge Head for 1298 or 1140 Comp. Testers.....
		1145	Valve Core for Compression Testers.....
		1150	Chevrolet V-8 Compression Tester.....
		1165	Diesel Compression Tester.....
		1168	Small Engine Compression Tester.....
		1187	Dial Glass for 1260 Compression Tester.....
		1194	7/8" Plug Cone for Compression Testers.....
		1255	Gauge Head for 1260, 1150 & 1386 Comp. Testers.....
		1257	Straight Stem for Compression Testers.....
		1259	45 Degree Angle Stem for 1298 Tester Kit.....
		1298	Universal Compression Tester.....
		1299	Right Angle Stem for 1298 Compression Tester.....
		1301	Stem Gasket for Compression Testers.....
		1302	Gauge Head for 1140 or 1298 Comp. Testers.....
		1386	F-L Compression Tester.....
		1387	Right Angle Stem for 1386 Comp. Tester.....
		1407	Angle Stem for 1150 Comp. Tester.....
		3170	High Compression Cone for Comp. Testers.....
		3172	Gauge Head Lens for 1386, 1168, & 1150 Comp. Testers.....
		3173	Gauge Head for 1168 Compression Tester.....
		3175	18 MM Adaptor for 1168 Compression Tester.....
		3186	Check Valve for 1165 Compression Tester.....
		3187	Adaptor for American Basch Injector for 1165 Tester.....
		3188	Adaptor for G.M. 71 Diesel for 1165 Tester.....
		3189	Adaptor for International Diesel for 1165 Tester.....
		3190	Adaptor for International Diesel Models TD6 and UD6 for 1165 Tester.....
		3192	Compression Tester Valve (Package of 5).....
			CYLINDER GAUGES
		1102	1/8" Contact Point for 1106 or 1406 Cyl. Gauges.....
		1103	Dial Indicator for 1106 Cyl. Gauge.....
		1106	"Full Travel" Cylinder Gauge 2" - 6" Dia.....
		1107	Set of 3 Extensions for 1106 or 1406 Cyl. Gauges.....
		1109	1/2" Indicator Extension for 1106 or 1406 Cyl. Gauges.....
		1406	Cylinder Gauge (Small) 1 5/8" - 2" Dia.....
			CYL-O-CLEAN
		1293	Cyl-O-Clean, 16 oz. Jar.....
		1294	Cyl-O-Clean, Case of 12, 16 oz. Jars.....
		1295	Cyl-O-Clean Gallon Can.....
		1296	Cyl-O-Clean, Case of 4 Gallon Cans.....
		1297	Cyl-O-Clean Applicator.....
			DE-GLAZERS
		1093	Cylinder Wall De-Glazer 2 3/4"-3 7/8" Dia.....
		1097	Cylinder Wall De-Glazer 3 3/4"-5 3/4" Dia.....
		1113	Cylinder Wall De-Glazer 2"-3" Dia.....

Tool No.	Dealer Price	Tool No.	Description	Dealer Price
1138.....	\$ 6.50			
1139.....	2.50	1240 Element for 1113 De-Glazer.....	2.50	\$ 2.50
1140.....	7.95	1241 Element for 1093 De-Glazer.....	2.85	2.85
1141.....	1.10	1242 Element for 1097 De-Glazer.....	3.50	3.50
1142.....	.20	1243 Cylinder Wall De-Glazer 5"-7" Dia.....	10.50	10.50
		1245 Element for 1243 De-Glazer.....	5.95	5.95
1143.....	3.25			
1144.....	.60	1033 Hastings Crack Finder.....	150.00	150.00
1145.....	.15	3071 Hastings Tachometer.....	39.50	39.50
1150.....	10.50	3072 Hastings Regulator Tester.....	39.50	39.50
1165.....	75.00	3073 Hastings Dwell Tester.....	39.50	39.50
		3074 Hastings Ignition Tester.....	39.50	39.50
1168.....	7.35	3075 Hastings Port-A-Tune Kit.....	194.50	194.50
1180.....	9.90	3199 Carry-All Case for Hastings Port-A-Tune Kit.....	18.50	18.50
1183.....	.40			
1185.....	.85			
1187.....	.50			
1194.....	.20			
1240.....	2.50	1009 Replacement Blade & Screw for 1275, 1025 & 1026 Ring Groove Cleaners.....	1.50	1.50
1241.....	2.85	1025 Multi-Blade Ring Groove Cleaners 2.6"-5" Dia.....	4.80	4.80
1242.....	3.50	1026 Multi-Blade Ring Groove Cleaners 4"-6" Dia.....	5.50	5.50
1243.....	10.50	1275 Multi-Blade Ring Groove Cleaners 2"-3" Dia.....	4.50	4.50
		1933 Uni-Blade Groove Cleaners.....	10.90	10.90
1245.....	5.95	1934 Replacement Blade for 1933 Groove Cleaners.....	1.35	1.35
1255.....	3.85	1935 Uni-Blade Groove Cleaner for 1 1/8"-3 1/4" Dia. 1/16" and up Grooves.....	12.50	12.50
1257.....	4.95	3176 Extra Blade for 1025, 1026 & 1275 Groove Cleaners for 1/4" Width Grooves.....	1.30	1.30
1258.....	1.75			
1259.....	5.60			
1261.....	10.90			
1275.....	4.50	1365 Flex-Drive Cylinder Hone.....	12.75	12.75
1293.....	.90	1371 Replacement Drive Shaft for 1365 Hone.....	3.90	3.90
1294.....	10.20	1374 Set of Stones & Felts for 1365 Hone.....	3.60	3.60
1295.....	4.40	1375 Set of 4 Springs for 1365 Hone.....	.30	.30
		1376 Individual Springs for 1365 Hone.....	(Each)	.10
1296.....	16.80	1377 Individual Stone for 1365 Hone.....	(Each)	1.80
1297.....	.25	1378 Individual Felt for 1365 Hone.....	(Each)	.50
1298.....	22.50	1383 Extension Blades 4"-5" Dia. for 1365 Hone.....	3.00	3.00
1299.....	5.95	1384 Extension Blades 5"-6" Dia. for 1365 Hone.....	3.40	3.40
1301.....	.10	1385 Extension Blades 6"-7" Dia. for 1365 Hone.....	4.00	4.00
1302.....	4.55			
1339.....	1.00	3000 Bearing Oil Leak Detector.....	45.00	45.00
1359.....	3.25	3001 Replacement Hose for 3000 Leak Detector.....	4.40	4.40
1365.....	12.75	3002 Pressure Gauge for 3000 Leak Detector.....	4.30	4.30
1371.....	3.90			
1374.....	3.60			
1375.....	.30			
1376.....	.10			
1377.....	1.80			
1378.....	.50			
1381.....	35.90			
1383.....	3.00	3194 Hastings Thermo Fit Pin Fitter.....	139.50	139.50
1384.....	3.40	3195 Universal Pin removal Press (5 Ton Capacity).....	71.00	71.00
1385.....	4.00	3196 Universal Pin removal Fixture.....	17.90	17.90
1386.....	11.50	3197 Universal Installation Gauge.....	5.00	5.00
		3198 Rambler (6 Cyl.) Installation Gauge & Removal Fixture.....	11.35	11.35
1387.....	6.50			
1388.....	6.20	1027 Hastings Piston Regroover.....	67.50	67.50
1391.....	1.00	1920 Groove Rite Piston Lathe.....	67.50	67.50
1396.....	3.75	1945 Piston Vise Attachment.....	6.15	6.15
1397.....	5.95			
1403.....	4.20			
1404.....	4.30	1034 Remote Control Starter Switch.....	4.20	4.20
1406.....	28.95			
1407.....	5.60			
1920.....	67.50	1024 Cutter Head Assembly for 1050 Reamer.....	9.00	9.00
		1029 1 only Holding Blade for 1050 Ridge Reamer (with tip).....	.95	.95
		1030 Set of 2 Expansion Blades for 1050 Ridge Reamer.....	1.75	1.75

